ORDER NO. VSD9909M612
D25

Service Manual

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Service Information
Sec. 2 Maintenance
& Disassembly Procedures
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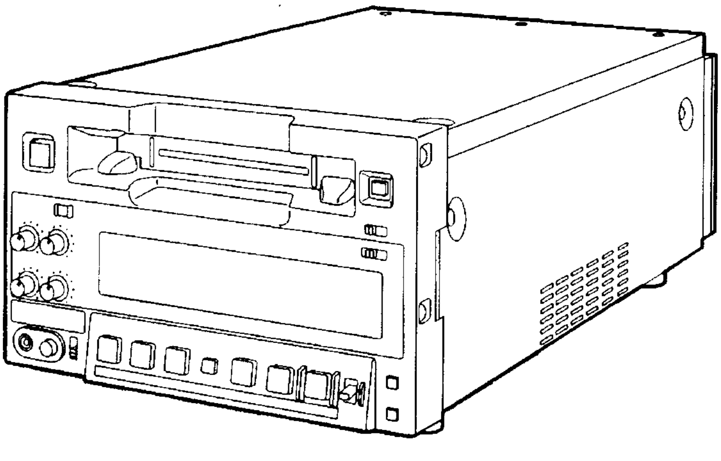
Digital Video Cassette Recorder

AJ-D95DCE

DVCPRO 50



Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

INTRODUCTION

This Service Manual contains Operating Instructions, Service Information, Maintenance & Disassembly Procedures, Mechanical Adjustment, Electrical Adjustment, Block Diagrams, Schematic Diagrams, Circuit Board Diagrams and Exploded Views & Parts List sections.

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Specifications

[GENERAL]

Supply voltage: AC 220 V – 240 V ±10%, 50/60 Hz
Power consumption: 95 W
DC supply voltage: 12 V
DC power input current: 6.3 A

Ambient operating temperature
5°C to 40°C
Ambient operating humidity
10% to 85% (no condensation)
Weight
8.0 kg
Dimensions (W × H × D)
214 × 132 × 430 mm
Recording format
DVCPRO50 format/DVCPRO format switchable
Recording video signals
625i
Recording audio signals
- DVCPRO50: 48 kHz, 16 bits, 4 channels
- DVCPRO: 48 kHz, 16 bits, 2 channels

Recording tracks
- Digital video/audio: helical track
- Time code: helical track (sub-code area)
- Cue signal: 1 track
- Control (CTL) signal: 1 track

Tape speed
- DVCPRO50: 67.708 mm/sec.
- DVCPRO: 33.854 mm/sec.

Recording time
- 92 min. (using AJ-5P92LP, DVCPRO50)
- 33 min. (using AJ-P66MP, DVCPRO50)
- 184 min. (using AJ-5P92LP *, DVCPRO)
- 66 min. (using AJ-P66MP, DVCPRO)

*For AJ-5P92LP cassette tapes recorded using the DVCPRO (25 Mbps) mode, use a VTR supporting DVCPRO (25 Mbps) 184 minute tapes.

Tape used
1/4″ thin magnetic layer metal tape
FF/REW time
Less than 5 minutes (using AJ-5P92LP)

[VIDEO]

■ Digital video

Sampling frequency
(DVCPRO50)
Y: 13.5 MHz, P_B/P_R: 6.75 MHz
(DVCPRO)
Y: 13.5 MHz, P_B/P_R: 3.375 MHz
Quantizing
8 bits
Video compression system
DCT + variable length code
Error correction
Reed-Solomon product code

■ Analogue component IN/OUT

Video band
Y: 25 Hz to 5.5 MHz (±1 dB), 5.75 MHz (–3 dB)
P_B/P_R: 25 Hz to 2.5 MHz (±1 dB), 2.75 MHz (–3 dB)
S/N ratio
54 dB
K factor
Less than 2%

■ Analogue composite IN/OUT

Video band
Y: 25 Hz to 5.5 MHz (±1.5 dB)
Differential gain
Less than 6%
Differential phase
Less than 4.5 degrees
Y/C delay
Less than 20 ns
K factor
Less than 2%

■ Adjustments (video output signals)

Video gain
More than ±3 dB
Chroma gain
More than ±3 dB
Chroma phase
More than ±25 degrees
Black level
More than ±70 mV
Horizontal (H) phase
More than ±1.5 μs
SC phase (COARSE)
360 degrees
SC phase (FINE)
90 degrees

Specifications

[AUDIO]

■ Digital audio

Sampling frequency
48 kHz

Quantizing
16 bits

Frequency response
20 Hz to 20 kHz ±1 dB

Dynamic range
More than 85 dB
(1 kHz, emphasis OFF, "A" weighted)

Distortion
Less than 0.1%
(1 kHz, emphasis OFF, reference level)

Crosstalk
Less than –80 dB
(1 kHz, between 2 channels)

Wow & flutter
Below measurable limits

Headroom
18 dB

Emphasis
T1 = 50 μs/T2 = 15 μs
(ON/OFF switchable)

[INPUT/OUTPUT CONNECTORS]

■ Video input connectors

Analogue composite or analogue component Y (Luminance) signal input
BNC×1, 75 Ω, switchable to analog component Y signal input

Analogue component input (P_B/P_R)
BNC×2, 75 Ω

Reference input
Analogue composite, BNC×2 (loop-through), 75 Ω ON/OFF switchable

■ Video output connectors

Analogue composite or analogue component Y (Luminance) signal output
BNC×1, 75 Ω, switchable to analog component Y signal output

Analogue component output (P_B/P_R)
BNC×2, 75 Ω

Monitor output
Analogue composite, BNC×1, 75 Ω, superimpose ON/OFF

■ Audio input connectors

Analogue input
XLR×2 (CH1, CH2), high impedance, +4/0/–3/–20 dBu

[INPUT/OUTPUT CONNECTORS]

■ Audio output connectors

Analogue output
XLR×2 (CH1, CH2), low impedance, +4/0/–3/–20 dBu

Monitor output
PHONO×2 (L, R), low impedance, 0 dBu, CH1/MIX/CH2 switchable

Headphones output
M3×1, stereo, variable level (maximum –20 dBu), 8 Ω, CH1/MIX/STEREO/CH2 switchable

■ Other input/output connectors

Time code input
BNC×1, 0.5 to 8 V_{P-P}, 8 kΩ

Time code output
BNC×1, 2.0 V_{P-P}, low impedance

Remote
D-sub, 9 pins (female) ×1, for AJ-A95
RS-422A interface standard complied with (no editing function)

Encoder remote
D-sub, 15 pins (female) ×1, for AU-ER65B

DC power output
4 pins ×1, DC 12 V, 250 mA, for AJ-A95

[DISPLAY TUBE]

Counter
8 digits
(CTL/TC/UB/amount of remaining tape switchable)

Audio level meter
17 steps + excessive level display

Other
Servo lock, tape travel status, recording enabled/prohibited, SCH, REMOTE, WIDE, channel condition

[OPTIONS]

- **9-pin remote controller**
  AJ-A95
- **Encoder remote controller**
  AU-ER65B
- **9-pin remote cables**
  AU-C5 (5 meters), AU-C10 (10 meters)
- **Component serial interface board**
  (SDI input/output board)
  AJ-YA95P

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all part which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5MΩ.

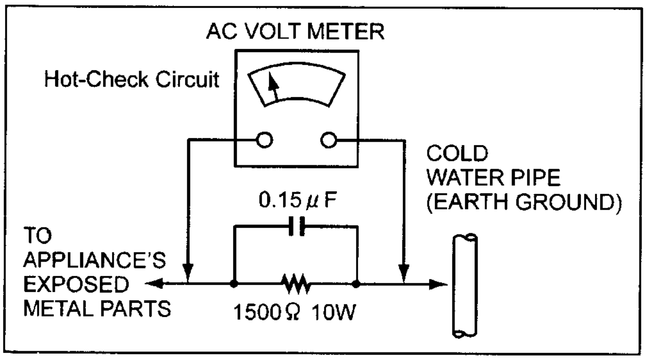


Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5kΩ, 10W resistor, in parallel with a 0.15μF capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as alminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
   (most replacement ES devices are package with leads electrically shorted together by conductive foam, alminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

WARNING

1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing X-Radiation.

Note : It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV, ± 0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.

Caution for AC Mains Lead

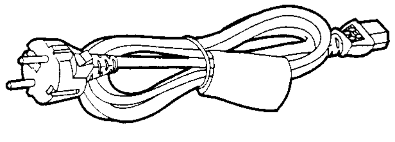
FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.

This product is equipped with 2 types of AC mains cable. One is for continental Europe, etc. and the other one is only for U.K.

Appropriate mains cable must be used in each local area, since the other type of mains cable is not suitable.

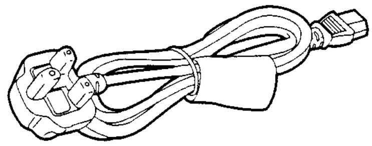
FOR CONTINENTAL EUROPE, ETC.

Not to be used in the U.K.



FOR U.K. ONLY

If the plug supplied is not suitable for your socket outlet, it should be cut off and appropriate one fitted.



FOR U.K. ONLY

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 13 amp fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 13 amps and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark ◈ or the BSI mark ♡ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt please consult a qualified electrician.

WARNING: THIS APPLIANCE MUST BE EARTHED.

IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:

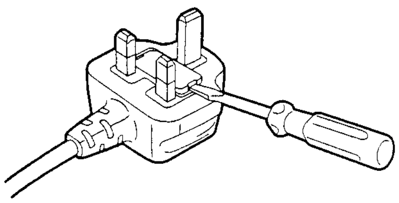
Green-and-Yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

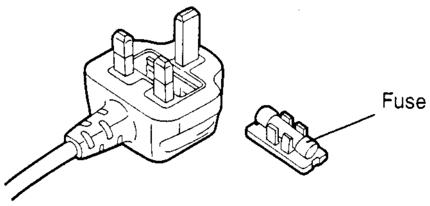
- The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the Earth symbol ⏚ or coloured GREEN or GREEN-AND-YELLOW.
- The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.
- The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

How to replace the fuse

1. Open the fuse compartment with a screwdriver.



2. Replace the fuse.



▭ indicates safety information.

IMPORTANT

"Unauthorized recording of copyrighted television programmes, video tapes and other materials may infringe the right of copyright owners and be contrary to copyright laws."

Operating precaution

Operation near any appliance which generates strong magnetic fields may give rise to noise in the video and audio signals. If this should be the case, deal with the situation by, for instance, moving the source of the magnetic fields away from the unit before operation.

- **THIS APPARATUS MUST BE EARTHED**

  To ensure safe operation the three-pin plug must be inserted only into a standard three-pin power point which is effectively earthed through the normal household wiring.

  Extension cords used with the equipment must be three-core and be correctly wired to provide connection to earth. Wrongly wired extension cords are a major cause of fatalities.

  The fact that the equipment operates satisfactorily does not imply that the power point is earthed and that the installation is completely safe. For your safety, if in any doubt about the effective earthing of the power point, consult a qualified electrician.

- **DO NOT REMOVE PANEL COVER BY UNSCREWING.**

  To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside.

  Refer servicing to qualified service personnel.

WARNING:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

Do not install or place this unit In a bookcase, built-in cabinet or any other confined space in order to maintain adequate ventilation. Ensure that curtains and any other materials do not obstruct the ventilation to prevent risk of electric shock or fire hazard due to overheating.

▭ indicates safety information.

- Do not insert your fingers or any other objects into the video cassette holder.
- Avoid operating or leaving the unit near strong magnetic fields. Be especially careful of large audio speakers.
- Avoid operating or storing the unit in an excessively hot, cold, or damp environment as this may result in damage both to the recorder and to the tape.
- Do not spray any cleaner or wax directly on the unit.
- If the unit is not going to be used for a length of time, protect it from dirt and dust.
- Do not leave a cassette in the recorder when not in use.
- Do not block the ventilation slots of the unit.
- Use this unit horizontally and do not place anything on the top panel.
- Cassette tapes can be used only for one-side, one-direction recording. Two-way or two-track recordings cannot be made.
- Cassette tapes can be used for either Colour or Black & White recordings.
- Do not attempt to disassemble the recorder. There are no user serviceable parts inside.
- If any liquid spills inside the recorder, have the recorder examined for possible damage.
- Refer any needed servicing to authorized service personnel.

SECTION 1

OPERATING INSTRUCTIONS

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Introduction

The AJ-D95DCE is a multi-purpose digital VTR which is capable not only of 625i/50 Mbps recording and playback using 1/4-inch wide compact cassette tapes but of recording and playback onto existing DVCPRO (25 Mbps) cassette tapes as well.
This VTR with its high picture quality, which is due to the use of digital compression technology, significantly reduces the deterioration in the quality of both sound and picture accompanying dubbing operations.
Its compact size and light-weight design makes it easy for the unit to be carried around and installed in a rack.
A dialogue system enables the unit's settings to be performed while monitoring the on-screen menus that appear on the TV monitor.

Features

Compact size and lightweight
The unit is 214 mm wide, 132 mm high and 430 mm deep, weighing 8.0 kg.
It comes equipped with grips, which come in handy when the unit is to be carried.

Efficient installation in a rack
The unit's width is less than one-half of the standard 19 inches, while its height is equivalent to 3U.
This means that the unit can be installed in a rack with twice the efficiency of previous units, a feature which makes it economical as well.

Long-time recording and playback
When an L size cassette is used, the maximum recording and playback time is 92 minutes in the 50 Mbps mode and 184 minutes in the 25 Mbps mode. (using AJ-5P92LP *)

*For AJ-5P92LP cassette tapes recorded using the DVCPRO (25 Mbps) mode, use a VTR supporting DVCPRO (25 Mbps) 184 minute tapes.

Both L and M size cassettes supported
This unit employs a front loading mechanism to support the recording or playback of DVCPRO or DVCPRO 50 format size L and M cassette tapes.

AC or DC operation
This unit supports power supplied from both AC 220 V – 240 V and DC 12 V sources.

Back-space assemble recording function
By using the REC button and PAUSE button together— a combination which activates the auto back function— pictures can be joined smoothly with no disturbances.

On-screen menu settings
Detailed function settings tailored to the individual user can be performed on-screen.

Audio level controls featured
The level of the signals for the two audio channels can be adjusted for recording and playback applications.

Time codes
Incorporated inside the unit is a TCG/TCR (time code generator/time code reader). It is also possible to input time codes from an external source to enable regeneration with an external time code.

Installation of SDI connector enabled
An optional SDI input/output board (model AJ-YA95P) for deriving the maximum from the digital VTR's features can be installed.

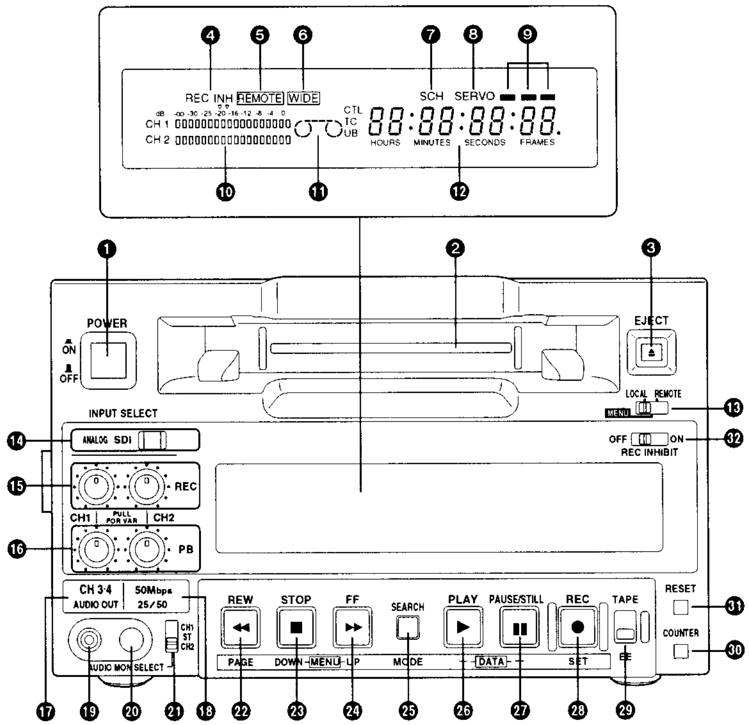
9-pin remote control
This unit comes with a 9-pin remote control connector so that the unit can be operated using an optional external remote controller (model AJ-A95).

Encoder remote control
The unit's 15-pin encoder remote control connector enables adjustments to be made to the analogue composite video output section using an optional external encoder remote controller (model AU-ER65B).

Parts and Their Functions

Front panel

Counter display area


④
⑤
⑥
⑦
⑧
⑨
REC INH
REMOTE
WIDE
SCH
SERVO
dB -∞ -30 -25 -20 -16 -12 -8 -4 0
CH 1
CH 2
CTL
TC
UB
88:88:88:88.
HOURS
MINUTES
SECONDS
FRAMES
⑩
⑪
⑫
①
②
③
POWER
ON
OFF
EJECT
LOCAL REMOTE
MENU
⑬
INPUT SELECT
ANALOG SDI
⑭
OFF ON
REC INHIBIT
㉜
⑮
REC
CH1
PULL FOR VAR
CH2
⑯
PB
CH 3·4 AUDIO OUT
50Mbps 25/50
REW
STOP
FF
SEARCH
PLAY
PAUSE/STILL
REC
TAPE
RESET
㉛
COUNTER
㉚
CH1 ST CH2
AUDIO MON SELECT
PAGE
DOWN
MENU
UP
MODE
DATA
SET
EE
⑰
⑲
⑳
㉑
⑱
㉒
㉓
㉔
㉕
㉖
㉗
㉘
㉙

Front panel

① POWER switch
When this switch is pressed, the power is turned on and the counter display area lights; when it is pressed again, the power is turned off.

② Cassette insertion slot
Newsgathering cassettes and general-purpose cassettes are inserted into this slot.

<Note>
Do not insert DV cassettes, which are designed for general consumer applications.

③ EJECT button
When this button is pressed, the tape inside is unloaded and several seconds later it is automatically ejected.
If the counter display area is set to the CTL display, the display will be reset.

④ REC and REC INH lamps
REC: This lamps lights during recording.
REC INH: This lamp lights when the cassette is set to the accidental erasure prevention status. It also lights when the REC INHIBIT switch ㉜ is at the ON setting. In this status, recording is not possible.

⑤ REMOTE lamp
This lamp lights when the REMOTE setting has been selected by the LOCAL/MENU/REMOTE switch ⑬.

⑥ WIDE lamp
This lamp lights when the WIDE mode has been selected.

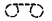
⑦ SCH lamp
This lamp lights when the external sync signal subcarrier phase is within the specified range.

⑧ SERVO lamp
This lamp lights when the drum servo and capstan servo lock.

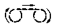
⑨ Channel condition lamps
One of these lamps lights in accordance with the error rate statuses. (Green → Blue → Red)
Green: This lamp lights when both the error rates for the video and audio playback signals are at an acceptable level.
Blue: This lamp lights when the error rate for either the video and audio playback signals has deteriorated. A normal playback picture will appear even when this lamp is lit.
Red: This lamp lights when either the video or audio playback signals are subject to correction or interpolation.

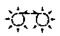
⑩ Level meter
This displays the levels of the audio signals.
The level of the input audio signals is displayed during recording and E-E selection; the level of the output audio signals is displayed during playback.

⑪ Cassette insertion and tape travel display lamp
This lamp lights when a cassette has been inserted into the unit.

 : When a tape has been inserted and the STANDBY ON status has been established

: When a tape has been inserted and the STANDBY OFF (HALF LOADING) status has been established

 : While the tape is travelling, the segment display moves as the tape travels.

 : The "○" symbol at the stopped side flashes when the fan has shut down.

⑫ Counter display area
The TC and CTL counts, the on-screen information and other messages are displayed in this area.
If DC power is supplied to the unit, the whole display will flash as a warning when the voltage has dropped.
When the voltage drops to 10.6V or so, the power will automatically be turned off.

⑬ LOCAL/MENU/REMOTE switch
This switch is set when menu settings are to be performed or when the unit is to be controlled from an external source.
LOCAL: Set here when the unit is to be controlled using the controls on its operation panel.
MENU: Set here when on-screen menu settings are to be performed.
REMOTE: Set here when the unit is to be controlled using an external remote controller (model AJ-A95).

⑭ INPUT SELECT button and lamp
This button is used to select the input signals.
Each time it is pressed, ANALOG and SDI signals are selected alternately.

<Note>
It is not possible to select ANALOG for the video signals and SDI for the audio signals or vice versa: the same setting must be used for both sets of signals.
ANALOG: This is selected when analogue video signals and analogue audio signals are input. When it is selected, the ANALOG lamp lights.
The ANALOG lamp flashes when this setting is selected but no analogue video signals are input.
When analogue composite signals are to be input, select "CMPST" as the set-up menu item No.624 "V IN SEL" setting.
When analogue component signals are to be input, select the "CMPNT" setting.
(See page 35.)
SDI: SDI input signals can be selected when the optional SDI input/output board has been installed. When it is selected, the SDI lamp lights. The SDI lamp flashes when this setting is selected but no SDI signals are input.

⑮ Audio signal CH1 and CH2 recording level controls
These controls are used to adjust the recording levels of the CH1 and CH2 audio signals.
They use a "pull to vary level" system which means that the levels can be adjusted after they have been pulled up. The default signal levels apply when they are pushed down.

⑯ Audio signal CH1 and CH2 playback level controls
These controls are used to adjust the playback levels of the CH1 and CH2 audio signals.
They use a "pull to vary level" system which means that the levels can be adjusted after they have been pulled up. The default signal levels apply when they are pushed down.

<Note>
The cue audio signal level cannot be adjusted.

⑰ CH3 and CH4 lamp
This lamp lights when TR3/4 is selected as the setup menu item No.711 setting in the 50 Mbps mode. It also lights in the E-E mode when the optional SDI input/output board has been installed, SDI input is selected, and CH3/4 is selected as the setup menu item No.712 setting. (During playback, the lamp is lit by the No.712 setting.)
(See page 37.)

⑱ 50 Mbps lamp
This lamp lights when the 50 Mbps mode has been established.

⑲ Headphones jack
When a pair of stereo headphones are connected to this jack, the sound of the recording or playback can be monitored through the headphones.

⑳ Volume control
This control is used to adjust the headphone volume.

㉑ Audio monitor selector switch
This switch is used to select the audio monitor output and headphone output channels.
CH1: The CH1 sound is output through both the left and right channels.
ST: The sound selected by the settings of setup menu items No.708 and No.709 is output.
CH2: The CH2 sound is output through both the left and right channels.

㉒ REW button
This button is pressed to rewind the tape. The playback pictures can be monitored when the TAPE/EE switch ㉙ is set to TAPE.
Pressing the REW button while in the search mode (search still, forward search, forward search still, reverse search still) causes operation to switch to reverse search, and reverse playback occurs at the speed selected using setting No. 100 on the setup menu. (See pages 15 and 30.)
Pressing the REW button while in the slow mode (slow still, forward slow, forward slow still) causes operation to switch to reverse linear 0.3× playback. (See page 16.)
Noise will appear during linear 0.3× playback: this is normal and not indicative of malfunctioning.

㉓ STOP button
This button is pressed to stop the tape travel. The playback pictures can be monitored when the TAPE/EE switch ㉙ is set to TAPE.
The tape drum continues to rotate even in the stop mode, and the tape remains in close contact with the drum.
When the stop mode continues beyond the prescribed period of time, the unit is automatically set to the STANDBY OFF (HALF LOADING) mode in order to protect the tape.
The stop mode is established immediately after a cassette has been inserted into the unit.

㉔ FF button

This button is pressed to fast forward the tape. The playback pictures can be monitored when the TAPE/EE switch ㉙ is set to TAPE.

Pressing the FF button while in the search mode (search still, reverse search, reverse search still, forward search still) causes operation to switch to forward search, and fast forward playback occurs at the speed selected using setting No. 100 on the setup menu. (See pages 15 and 30.)

Pressing the FF button while in the slow mode (slow still, reverse slow, reverse slow still) causes operation to switch to forward linear 0.3× playback. (See page 16.)

Noise will appear during linear 0.3× playback: this is normal and not indicative of malfunctioning.

㉕ SEARCH button

This button is pressed to switch to the search mode or the slow mode. (See pages 15 and 16.)

㉖ PLAY button

This button is pressed to commence playback. Recording is commenced when it is pressed together with the REC button.

㉗ PAUSE/STILL button

When this button is pressed during recording, the tape is temporarily stopped.

Recording is resumed when it is pressed again.

When this button is pressed during playback, the still picture mode is established. Playback is resumed when it is pressed again.

Pressing the PAUSE/STILL button during forward or reverse search operation causes the tape to pause (forward or reverse search still). Pressing the button a second time causes forward or reverse search operation to resume.

Pressing the PAUSE/STILL button during forward or reverse slow operation causes the tape to pause (forward or reverse slow still). Pressing the button a second time causes forward or reverse slow operation to resume.

Linear 0.3× playback takes place during forward or reverse slow operation. Noise will appear during still and linear 0.3× playback: this is normal and not indicative of malfunctioning. (See page 16.)

㉘ REC button

Recording is commenced when this button is pressed together with the PLAY button. When it is pressed in the stop or eject mode, the input video signals and audio signals can be monitored even when the TAPE/EE switch is set to TAPE.

It is also possible to use the button to check the time code generator's value. (REC CHECK mode)

When the STOP button or any other function button is pressed, the REC CHECK mode will be released.

㉙ TAPE/EE switch

This switch is used to select the signals to be output in the stop, fast forward or rewind mode.

TAPE: The signals which are played back from the tape are output.

EE: The input signals which were selected by the INPUT SELECT button are output.

<Notes>

- When REC has been set for setup menu item No.105, the E-E mode will be established in the stop mode regardless of the position of the TAPE/EE switch. (See page 30.)
- The picture and sound may break up when the position of the switch is changed.

㉚ COUNTER button

This button is used to switch the counter display area. Each time it is pressed, the setting is changed in the following sequence: CTL → TC → UB → r → CTL, etc.

CTL: The tape timer (control signal) appears on the display.

TC: The time code appears on the display.

UB: The user bit appears on the display.

r: The amount of tape remaining is displayed in 1-minute increments.
(Example)
"r102" = 102 minutes of tape are remaining.

㉛ RESET button

When this button is pressed in the CTL mode, the counter display is reset to 00:00:00:00.

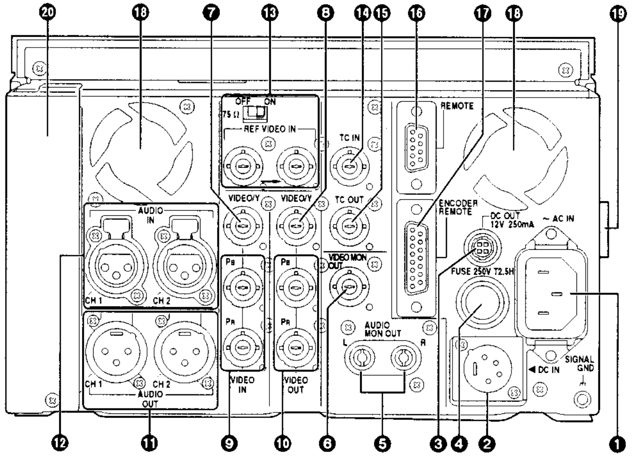
㉜ REC INHIBIT switch

This switch is used to allow or inhibit recording onto the cassette tape.

ON: Recording on the cassette tape is inhibited. The REC INHIBIT lamp on the display lights.

OFF: Provided that the accidental erasure prevention mechanism on the cassette tape is set to the recording enable position, a recording can be made on the cassette tape.

Connector areas



❶ AC IN socket

This is the AC power inlet.

The accessory power cord is connected here.

Use an AC 220 V – 240 V (±10%) power supply to operate this unit.

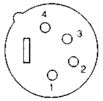
When the voltage has dropped to an extremely low level, the unit's power is automatically switched off. It will take several minutes for the unit to be reset even after the supply voltage is restored. In a case like this, set the POWER switch to OFF, wait several minutes, and start up the unit again. AC power takes precedence when both AC and DC power supplies have been connected.

❷ DC IN socket

This is the input connector for the DC 12V power.

Use the optional AC adaptor (model AJ-B75).

When the voltage has dropped to around 10.6V, the unit's power is automatically switched off. It will take several minutes for the unit to be reset even after the supply voltage is restored. AC power takes precedence when both AC and DC power supplies have been connected.



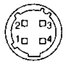
Pin No.	Signal
1	Ground
2	———
3	———
4	+12 V

❸ DC OUT socket

This is the DC 12V output connector.

It is used to supply power to the external remote controller (model AJ-A95).

The DC power cable is packed with the model AJ-A95 controller.



Pin No.	Signal
1	Ground
2	———
3	———
4	+12 V

❹ Fuse holder

This contains a 2.5A fuse.

❺ AUDIO MONITOR OUT (Lch/Rch) connectors

These are the output connectors for the audio monitor signals. It is possible to select the channel through which the audio monitor signals are to be output using the audio monitor selector switch on the front panel and setup menu item No.708.
(See page 36.)

❻ VIDEO MONITOR OUT connector

This is the output connector for the video monitor signals. Superimposed video signals can be output to this connector.

Superimposing can be set to ON or OFF by setup menu item No.002. (See page 29.)

Connector areas

⑦ VIDEO/Y IN connector
The analogue composite video signals or analogue component video Y (luminance) signals are input to this connector.
When analogue composite video signals are to be input, select "CMPST" as the set-up menu item No.624 "V IN SEL" setting.
When analogue component video Y (luminance) signals are to be input, select "CMPNT."
(See page 35.)

⑧ VIDEO/Y OUT connector
The analogue composite video signals or analogue component video Y (luminance) signals are output from this connector.
When analogue composite video signals are to be output, select "CMPST" as the set-up menu item No.625 "V OUT SEL" setting.
When analogue component video Y (luminance) signals are to be output, select the "CMPNT" setting.
(See page 35.)

⑨ P_B and P_R IN connectors
The P_B and P_R signals of the analogue component video signals are input to these connectors.

⑩ P_B and P_R OUT connectors
The P_B and P_R signals of the analogue component video signals are output from these connectors.

⑪ AUDIO OUT (CH1/CH2) connectors
These are the output connectors for the analogue audio signals.

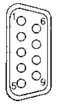
⑫ AUDIO IN (CH1/CH2) connectors
These are the input connectors for the analogue audio signals.

⑬ REF VIDEO IN connectors and 75 Ω termination switch
These are the input connectors for the reference video signals.
Input black burst signals or composite video signals.
Set the switch to ON for termination.

⑭ TC IN connector
This is the connector for recording the external time codes on the tape.

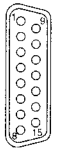
⑮ TC OUT connector
During playback, the playback time code is output to this connector. During recording, the time code generated by the internal time code generator is output.

⑯ REMOTE CONTROL connector
This unit can be operated from an external source by connecting an optional external remote controller (model AJ-A95) to this connector.
<Notes>
- Set the LOCAL/MENU/REMOTE switch to the REMOTE position.
- This complies with the RS-422A interface standard but the functions associated with editing do not work.



Pin No.	Signal
1	Frame Ground
2	Transmit A
3	Receive B
4	Receive Common
5	———
6	Transmit Common
7	Transmit B
8	Receive A
9	Frame Ground

⑰ ENCODER REMOTE connector
An optional external encoder remote controller (model AU-ER65B) is connected to this connector when the video output signal settings are to be adjusted from an external source.
<Note>
Set setup menu item No.00 to REMOTE.
(See page 27.)



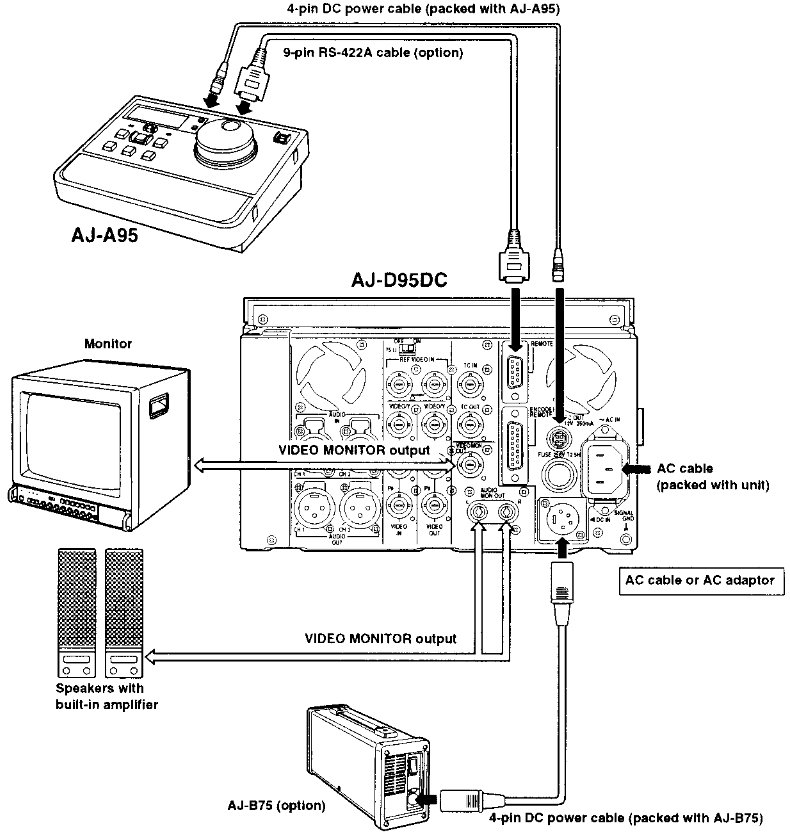
Pin No.	Signal
1	———
2	Black Level
3	C Level
4	Ground
5	+9 V
6	System H
7	SYS. SC. Coarse (2)
8	−9 V
9	C Phase
10	Video Level
11	Ret Ground
12	———
13	———
14	SYS. SC. Fine
15	SYS. SC. Coarse (1)

⑱ Fan motor
This motor drives the fan to cool down the unit.

⑲ Grip
Grips are provided on the side panels. However, when the unit is to be operated, lay it flat.

⑳ Slot for SDI card (option)
This is the slot for the optional component serial interface board (SDI input/output board: model AJ-YA95P).

Example of Connections

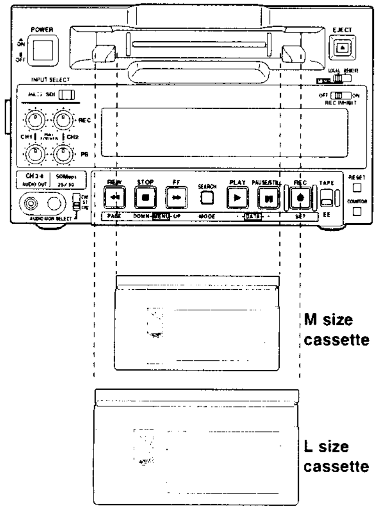

4-pin DC power cable (packed with AJ-A95)
9-pin RS-422A cable (option)
AJ-A95
AJ-D95DC
Monitor
VIDEO MONITOR output
AC cable (packed with unit)
AC cable or AC adaptor
VIDEO MONITOR output
Speakers with built-in amplifier
AJ-B75 (option)
4-pin DC power cable (packed with AJ-B75)

Video input signals and reference video input signals

When signals are to be input simultaneously to the VIDEO IN connectors and REF VIDEO IN connectors, make sure that the respective signals are synchronized.
If these signals are not synchronized, the E-E picture may dance, the advance of the time code display may slow down, the response to operations may slow down or some other phenomenon may occur (although the signals will be recorded normally).
In a case like this, a normal picture display can be restored by setting setup menu item No.600 to VF. (See page 35.)

<Notes>
DV tapes bearing either the "DV" or "-DV" logo for regular consumer applications cannot be used. Do not insert them into the unit.

Align the cassette with the centre of the insertion slot, and push it in gently.
Once inserted, the cassette tape is loaded automatically.


POWER
EJECT
INPUT SELECT
REW
STOP
FF
SEARCH
PLAY
PAUSE/STILL
REC
TAPE
M size cassette
L size cassette

Types of tapes and their recording times

M size cassettes

- **50 Mbps mode**
  Tapes with a recording/playback length of up to 33 minutes:
- **25 Mbps mode**
  Tapes with a recording/playback length of up to 66 minutes:

AJ-P12MP, AJ-P24MP, AJ-P33MP, AJ-P46MP, AJ-P66MP

L size cassettes

- **50 Mbps mode**
  Tapes with a recording/playback length of up to 92 minutes:
- **25 Mbps mode**
  Tapes with a recording/playback length of up to 184 minutes:

AJ-P34LP, AJ-P66LP, AJ-P94LP, AJ-P126LP, AJ-5P92LP *

*For AJ-5P92LP cassette tapes recorded using the DVCPRO (25 Mbps) mode, use a VTR supporting DVCPRO (25 Mbps) 184 minute tapes.

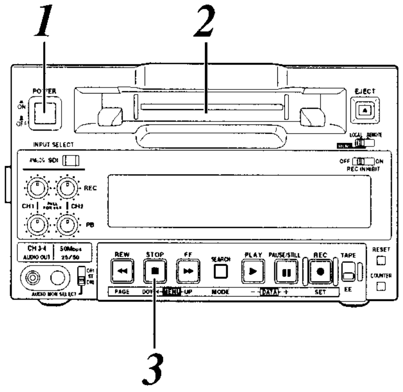
Turning on the power/inserting the cassette

Before proceeding to operate the unit, check that it has been connected properly.
This unit must be placed on a level surface before any attempt is made to operate it.

1 **Turn on the power.**

2 **Insert the cassette tape.**
Insert the cassette tape at the designated position without forcing it in any way.

3 **Check that the STOP lamp has lit.**
When the tape is inserted, the cylinder starts rotating automatically, the tape is loaded, and the stop mode is established.


1
2
3
POWER
EJECT
INPUT SELECT
REW
STOP
FF
SEARCH
PLAY
PAUSE/STILL
REC
TAPE
RESET
COUNTER
PAGE
MODE
SET

<Note>
The STOP button flashes when no reference video input signals are supplied if ON has been selected as the setup menu item No.104 setting. (See page 30.)

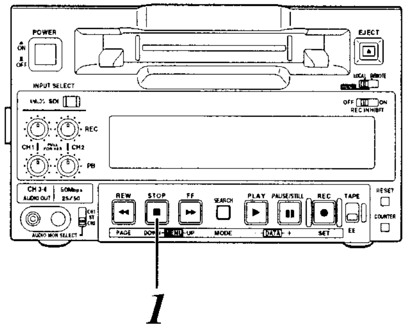
Stop mode

1 **The stop mode is established when the STOP button is pressed.**
The stop lamp lights, and the tape stops travelling.

- In order to protect the tape, the tape protection mode is established after the time set in setup menu item No.400 "STILL TIMER" has elapsed. (See page 32.)
  When the STOP, REW, FF or PLAY button is pressed, the corresponding mode is established.

<Precaution for setting STILL TIMER>

- At times when, for instance, the same part of the same tape is repeatedly used, the cumulative standby time in the same position will be increased. In order to protect the tape, make the standby time in the same position as short as possible.


1
POWER
EJECT
INPUT SELECT
REW
STOP
FF
SEARCH
PLAY
PAUSE/STILL
REC
TAPE
RESET
COUNTER
PAGE
MODE
SET

Recording

1 **Use the setup menu item No.007 to select recording in either the 50 Mbps mode or 25 Mbps mode.**
(See page 29.)

2 **Set the accidental erasure prevention tab on the cassette to the "recording enable" position, and insert the tape.**

3 **Press the STOP button to set the unit to the stop mode.**

4 **1. Selecting the input video and audio signals**
   1) Connect the signals that are to be recorded.
   2) Select the video and audio input signals using the INPUT SELECT button on the front panel.

   2. Adjusting the audio levels
   - Adjust the audio input signal levels.
     The audio signals are recorded at the appropriate level when the audio recording level controls are in the pushed-in position.

5 **Press the PLAY button while holding down the REC button.**
The REC and PLAY lamps light, and recording commences.
If the setup menu item No. 110 "AUTO BACK" is set to "ALL," the tape is first rewound two to three seconds from the position at which the REC and PLAY buttons were pressed, advanced, and then recording starts from the point at which the REC and PLAY buttons were pressed. This ensures that there are no gaps between recorded sections.
(See page 31.)

6 **To stop recording, press the STOP button.**
Recording now stops and the unit is set to the stop mode.

<Notes>
- It is not possible to select ANALOG for the video input signals and SDI for the audio input signals or vice versa— the same setting must be used for both sets of signals.
- The input signals cannot be recorded properly if a recording inhibit signal is recorded with them.
- Check that the SERVO lamp remains lit during recording. The pictures played back will be disturbed if the lamp is flashing or off.
- When PB has been selected as the setup menu item No.105 setting, it will take two to three seconds for recording to commence after the REC and PLAY buttons have been pressed.
  (See page 30.)
  Set this menu item to REC to start the recording faster. However, with REC set for this item, it takes longer for the image to appear during playback after the PLAY button is pressed.

Pause/recording
(with back-space assemble recording)

1 **Press the PAUSE/STILL button while the cassette tape is being played.**

2 **Press the REC button to set the unit to the REC PAUSE mode.**
The monitor screen display now switches to the E-E picture.
If the setup menu item No. 110 "AUTO BACK" is set to "REC-P" or "ALL," the tape is rewound two to three seconds from the position at which the PAUSE/STILL button was pressed.
(See page 31.)

3 **Press the PAUSE/STILL button to start recording.**
The tape travels to the position where the PAUSE/STILL button was pressed in step *1*, and recording commences.
<Notes>
- The E-E picture now appears on the screen.
- Recording with back-space assemble recording from the 50 Mbps mode to the 25 Mbps mode and vice versa is not possible.

4 **Press the PAUSE/STILL button to pause recording.**
If the setup menu item No. 110 "AUTO BACK" is set to "REC-P" or "ALL," the tape is rewound two to three seconds from the position at which the PAUSE/STILL button was pressed and then pauses.

5 **Repeat steps *3* and *4* above to add recorded sections with no gaps in between.**

Playback

1 **Insert the cassette tape.**

2 **Press the PLAY button.**
Regular playback now commences.

3 **To end playback, press the STOP button.**
The unit is now set to the stop mode.

<Notes>
- Check that the SERVO lamp remains lit during playback. The playback pictures will be disturbed if the lamp is flashing or off.
- Select the 50 Mbps mode or 25 Mbps mode— whichever corresponds to the recording mode of the tape— for the setup menu item No.007 setting. The recording mode can be identified and the playback mode can be switched automatically by selecting AUTO as the setup menu item No.008 setting. (See page 29.)
  However, in this case, it may take some moments for the mode to be identified.
- The pictures may be disturbed when playback starts.

Cue/review

Pressing the FF button or REW button while in the search mode (search still, forward search, reverse search, forward search still, reverse search still) causes fast forward or reverse playback to occur at the speed selected using setting No. 100 on the setup menu. (See page 30.)
Also, pressing the SEARCH button while in the fast forward or reverse rewind causes the speed to be reduced to the speed selected using setting No. 100 on the setup menu and fast forward or reverse playback to occur.
Pressing the PAUSE/STILL button during fast forward or reverse playback causes the tape to pause. Pressing the button a second time causes fast forward or reverse playback to resume.

VTR operating mode	Button pressed	Next VTR operation
Play or stop	**SEARCH**	Search still
	FF or REW	Fast forward or rewind
Fast forward	**PLAY or STOP**	Play or stop
	SEARCH	Forward search (fast forward playback)
Rewind	**PLAY or STOP**	Play or stop
	SEARCH	Reverse search (reverse playback)
Search still	**PLAY or STOP**	Play or stop
	FF	Forward search (fast forward playback)
	REW	Reverse search (reverse playback)
Forward search (fast forward playback)	**SEARCH**	Fast forward
	REW	Reverse search (reverse playback)
	PAUSE/STILL	Forward search still
Reverse search (reverse playback)	**SEARCH**	Rewind
	FF	Forward search (fast forward playback)
	PAUSE/STILL	Reverse search still
Forward search still	**PAUSE/STILL, SEARCH or FF**	Forward search (fast forward playback)
	REW	Reverse search (reverse playback)
Reverse search still	**PAUSE/STILL, SEARCH or REW**	Reverse search (reverse playback)
	FF	Forward search (fast forward playback)
All modes	**PLAY**	Play
	STOP	Stop

Still-picture playback

Press the PAUSE/STILL button during playback.
To restore regular playback, press the PAUSE/STILL button again.
<Notes>
- No sound can be heard during still-picture playback.
- Noise may appear on the still picture.

Linear 0.3× speed playback

Pressing the SEARCH button when in play pause status causes the mode to switch to slow still.
In this status, pressing the FF button or REW button causes operation to switch to linear 0.3× playback.
Pressing the PAUSE/STILL button during linear 0.3× playback causes the tape to pause.
Pressing the PAUSE/STILL button a second time causes linear 0.3× playback to resume.

<Note>

- Noise appears during linear 0.3× speed playback.

VTR operating mode	Button pressed	Next VTR operation
Play	**PAUSE/STILL**	Play pause
Play pause	**PAUSE/STILL or PLAY**	Play
	SEARCH	Slow still
Slow still	**PLAY**	Play
	FF	Forward slow
	REW	Reverse slow
Forward slow	**REW**	Reverse slow
	SEARCH or PAUSE/STILL	Forward slow still
Reverse slow	**FF**	Forward slow
	SEARCH or PAUSE/STILL	Reverse slow still
Forward slow still	**PAUSE/STILL, SEARCH or FF**	Forward slow
	REW	Reverse slow
Reverse slow still	**PAUSE/STILL, SEARCH or REW**	Reverse slow
	FF	Forward slow
All modes	**PLAY**	Play
	STOP	Stop
All modes	**STOP → FF**	Fast forward
	STOP → REW	Rewind

Variable speed playback

(When AJ-A95 is connected)

When the optional AJ-A95 remote controller is connected to the REMOTE connector, variable speed playback is enabled by operating the search dial on the AJ-A95.

<Notes>

- Noise appears on the screen during playback at any tape speed except the normal tape speed (1×).
- During variable speed playback, the sound recorded on the analogue cue track is played back.

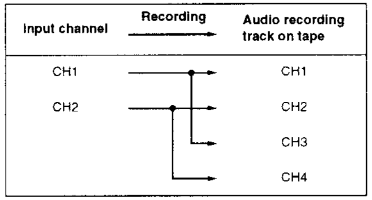
Audio channels

The DVCPRO (25 Mbps) format has 2 audio channels whereas the DVCPRO 50 (50 Mbps) format has 4 audio channels. .
However, this unit uses only two of the channels provided with the DVCPRO 50 (50 Mbps) format.

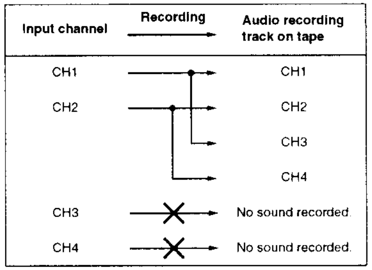
The settings for setup menu items No.711 and 712 are used to select recording or playback in the 50 Mbps or 25 Mbps mode. (See page 37.)

<During recording> 50 Mbps mode

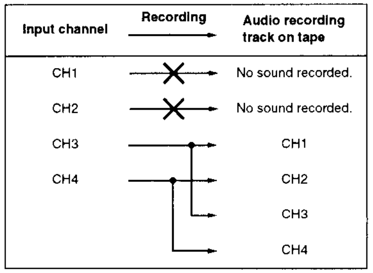
■ Analogue signal input


Input channel
Recording
Audio recording track on tape
CH1
CH2
CH1
CH2
CH3
CH4

■ Serial digital multiplex signal input (SDI: option)
(Setup menu item No.712 setting: CH1/CH2)

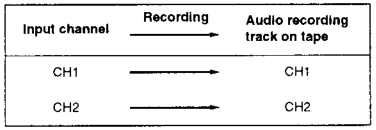

Input channel
Recording
Audio recording track on tape
CH1
CH2
CH3
CH4
CH1
CH2
CH3
CH4
No sound recorded.
No sound recorded.

(Setup menu item No.712 setting: CH3/CH4)

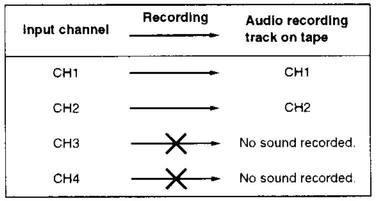

Input channel
Recording
Audio recording track on tape
CH1
CH2
CH3
CH4
No sound recorded.
No sound recorded.
CH1
CH2
CH3
CH4

<During recording> 25 Mbps mode

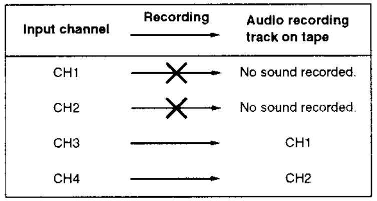
■ Analogue signal input


Input channel
Recording
Audio recording track on tape
CH1
CH2
CH1
CH2

■ Serial digital multiplex signal input (SDI: option)
(Setup menu item No.712 setting: CH1/CH2)

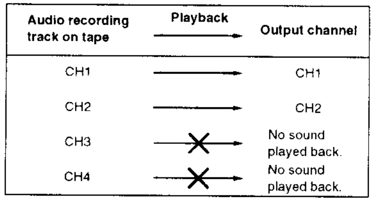

Input channel
Recording
Audio recording track on tape
CH1
CH2
CH3
CH4
CH1
CH2
No sound recorded.
No sound recorded.

(Setup menu item No.712 setting: CH3/CH4)

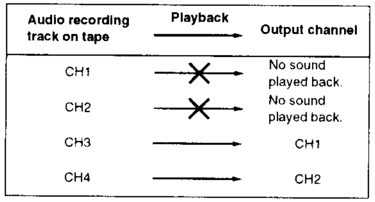

Input channel
Recording
Audio recording track on tape
CH1
CH2
CH3
CH4
No sound recorded.
No sound recorded.
CH1
CH2

<During playback> 50 Mbps mode

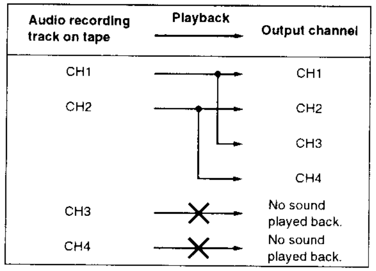
■ **Analogue signal output**
(Setup menu item No.711 setting: TR1/TR2)


Audio recording track on tape
Playback
Output channel
CH1
CH1
CH2
CH2
CH3
No sound played back.
CH4
No sound played back.

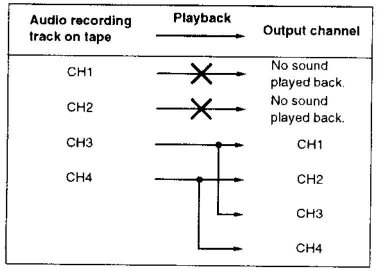
(Setup menu item No.711 setting: TR3/TR4)


Audio recording track on tape
Playback
Output channel
CH1
No sound played back.
CH2
No sound played back.
CH3
CH1
CH4
CH2

■ **Serial digital multiplex signal output (SDI: option)**
(Setup menu item No.711 setting: TR1/TR2)

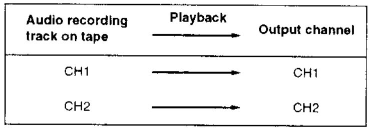

Audio recording track on tape
Playback
Output channel
CH1
CH1
CH2
CH2
CH3
CH4
CH3
No sound played back.
CH4
No sound played back.

(Setup menu item No.711 setting: TR3/TR4)

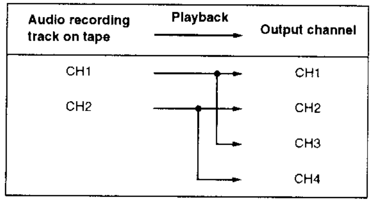

Audio recording track on tape
Playback
Output channel
CH1
No sound played back.
CH2
No sound played back.
CH3
CH1
CH4
CH2
CH3
CH4

<During playback> 25 Mbps mode

■ **Analogue signal output**


Audio recording track on tape
Playback
Output channel
CH1
CH1
CH2
CH2

■ **Serial digital multiplex signal output (SDI: option)**


Audio recording track on tape
Playback
Output channel
CH1
CH1
CH2
CH2
CH3
CH4

Time codes

Time codes are used to indicate the absolute position of the tape in hour, minute, second and frame increments: the time code signals generated by the time code generator (time code signal generator) are recorded on the tape and read by the time code reader (time code signal reader).

Time codes are written into the sub-code area (data area) on the helical track.
This enables the VTR's playback to be read out from the stop mode through slow-motion playback to high-speed playback.
The time code value appears on the display or is superimposed onto the screen.

TCR 00 : 07 : 04 : 24
↑ Hours ↑ Minutes ↑ Seconds ↑ Frames

User's bit

Among the time code signals, the user's bit refers to the 32-bit (8-digit) information frame that is released to the user. It can be used to record the operator number or any other information.

The alphanumerics which can be used for the user's bit are numbers 0 through 9 and letters A, B, C, D, E and F.

Setting the time code

1 **Set the VTR to the menu mode.**
(Set the LOCAL/MENU/REMOTE switch to the MENU position.)

2 **Select setup menu item No.505 "TC PRESET."**
(See page 33.)

3 **The first digit flashes when the DATA+ button (PAUSE/STILL button) or DATA– button (PLAY button) is pressed.**

4 **The digit whose value is to be changed is moved and flashes when the MENU-UP button (FF button) or MENU-DOWN button (STOP button) is pressed.**

5 **Change the value using the DATA+ button (PAUSE/STILL button) or DATA– button (PLAY button).**

6 **Upon completion of the settings, press the SET button (REC button).**
Operation now returns to the regular menu screen.

7 **Set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position.**

<Notes>

- The current time code value is displayed as the default.
- The display is reset to 00:00:00:00 if the RESET button is pressed when TC PRESET is set.
- The time code cannot be used unless setup menu item No.504 "TC MODE" is set to "P-REC" or "P-FREE." (See page 33.)
- When the MODE button (SEARCH button) is pressed without the SET button having been pressed upon completion of the settings, the time code setting is canceled, and operation returns to the regular menu screen.

Time Codes/User's Bit

Setting the user's bit

1 **Set the VTR to the menu mode.**
(Set the LOCAL/MENU/REMOTE switch to the MENU position.)

2 **Select setup menu item No.506 "UB PRESET."** (See page 33.)

Now follow the same procedure as for setting the time code.

Time code/user's bit playback

1 **Set the VTR to the stop mode.**

2 **Set to TC or UB using the COUNTER button.**

TC: The time code appears on the display.
UB: The user's bit appears on the display.

- If the time code cannot be read, it is interpolated using the CTL signal.

3 **Press the PLAY button.**
Playback is now commenced, and the time code appears on the display.
When "ON" has been selected as the setup menu item No.002 setting, the time code will be superimposed onto the video signals from the MONITOR OUT connector. (See page 29.)

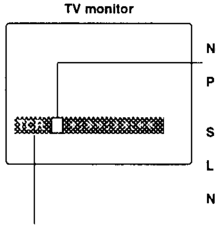
<Notes>
When the time code signal is missing, it is automatically interpolated by the CTL signal.
The following appears on the display.

T ∗ R 00 : 07 : 04 : 24

An asterisk (∗) appears when the time code signal is missing.
(For superimposing only)

Superimposed Screens

When the unit's MONITOR OUT connectors have been connected to a TV monitor, the control signals, time codes, etc. can be displayed as abbreviations on the TV monitor screen.
This display can be set to ON or OFF by setting setup menu item No.002. (See page 29.)

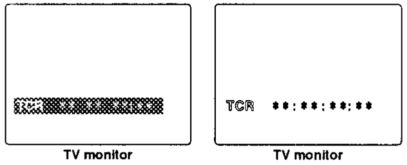


No display
: Normally, no display.
P : Flashes when the DC supply voltage has dropped.
S : Flashes in "FAN STOP" status.
L : Flashes in "LOW RF" status.
N : Flashes in "NO RF" status.

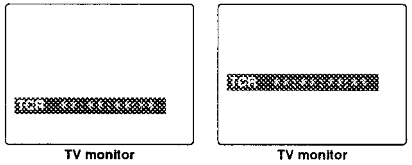
Abbreviations

CTL	(control signal)
TCR	(playback value of time code)
UBR	(playback value of user's bit)
REMAIN	(remaining tape)

Display characters
The background of the superimposed display characters can be changed by setting setup menu item No.006 "CHARA TYPE." (See page 29.)



Display position
The position of the superimposed display characters can be changed by setting setup menu items No.004 "CHARA H-POS" and No.005 "CHARA V-POS."
(See page 29.)



<Notes>
When the PAGE button and DATA+ button or DATA– button are pressed, the counter display appears temporarily on the TV monitor while these buttons are held down to enable the setting to be checked.
Even while the PAGE button is pressed, the settings can be performed using the DATA+ button or DATA– button while the actual status is checked.

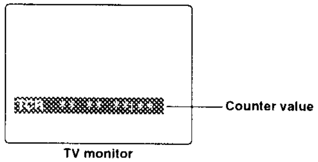
Superimposed Screens

Operation modes

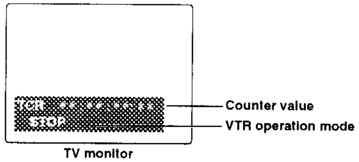
The details to be displayed on the screen can be selected by setting setup menu item No.003 "DISPLAY SEL." (See page 29.)

"TIME":	Counter value
"T&STA":	Counter value, VTR operation mode
"T&R":	Counter value, amount of remaining tape
"T&S&R":	Counter value, VTR operation mode, amount of remaining tape

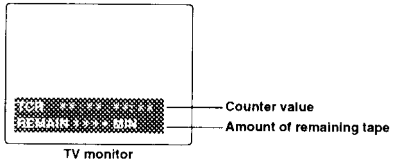
TIME mode



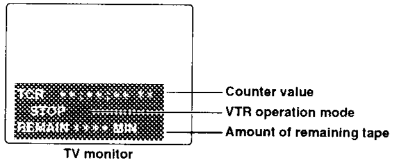
T&STA mode



T&R mode



T&S&R mode



<Notes>

- When the beginning or end of the tape has been detected in the VTR operation mode, "BOT (beginning of tape)" or "EOT (end of tape)" is displayed at the beginning of the line.
  Examples of what is displayed:
  EOT STOP
  (stop mode at end of tape)
  BOT STANDBY OFF
  (standby mode at beginning of tape)
- In the T&S&R mode, one of the following error displays appears on the third line (line with the amount of remaining tape).
  [FAN STOP]:
  This appears when the cooling fan has stopped. When this happens, "E-10" and the counter value appear alternately on the front panel's counter display area.
  [NO RF]:
  This appears when a blank section has been detected on the tape.
  "E-09" appears on the front panel's counter display area.
  [SERVO NOT LOCKED]:
  This appears when the servo is not locked.
  "E-00" appears on the front panel's counter display area.
  [LOW RF]:
  This appears when there is no head output.
  "E-01" appears on the front panel's counter display area.
  [HIGH ERROR RATE]:
  This appears when the error rate has deteriorated (when the channel condition appears in red).
  "E-02" appears on the front panel's counter display area.

Setup (Initial Settings)

The unit's main settings can be performed and checked using the on-screen menus which are displayed on the video monitor connected to the unit.
It is also possible to perform and check the settings using the item numbers and setting numbers which appear on the front panel's display area.
A user setting memory is provided. The desired settings can be stored in this memory in advance for use during operation.

Setting method using on-screen menus

1 **Set the LOCAL/MENU/REMOTE switch to the MENU position.**
The unit is now set to the menu setting mode, and the menu screen appears on the video monitor.

```
SET-UP MENU        MAIN
                        NO.00
   *  00 SYSTEM
     000 BASIC
     100 OPERATION
     200 INTERFACE
     400 TAPE PROTECT
     500 TIME CODE
     600 VIDEO
     700 AUDIO
```

In the menu setting mode, the REW, STOP, FF, SEARCH, PLAY, PAUSE/STILL and REC function buttons serve as the PAGE, MENU DOWN, MENU UP, MODE, DATA–, DATA+ and SET buttons.

2 **Press the MENU-UP button or MENU-DOWN button to move the cursor (∗) to the menu whose settings are to be changed.**

3 **Press the MODE button to set each item in turn.**
To return to the menu screen, press the MODE button while holding down the PAGE button.

4 **Press the MENU-UP button or MENU-DOWN button to move the cursor (∗) to the menu item whose setting is to be changed.**
The page can be scrolled up or down by pressing the MENU-UP button or MENU-DOWN button while holding down the PAGE button.

5 **Press the DATA+ button or DATA– button to change the setting.**

6 **Press the SET button to enter the setting.**

To change more than one menu item, repeat steps *4*, *5* and *6* for each item.
<Note>
The setting can be canceled by pressing the MODE button.
When other items are to be changed without the setting having been entered, press the MODE button and then proceed with steps *4*, *5* and *6*.

7 **Set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position.**
This completes the menu settings.

How to return to the factory settings

1 **Set the LOCAL/MENU/REMOTE switch to the MENU position.**
The unit is now set to the menu setting mode, and the menu screen appears on the video monitor.

2 **Press the RESET button.**
The unit is set to the default setting mode, and the default setting screen appears on the video monitor.

```
SELECT         MODE
          * 0  ESCAPE
            1  LOAD
            2  SAVE
            3  PROTECT
```

3 **Press the MENU-UP button or MENU-DOWN button to move the cursor to the LOAD position, and press the SET button.**
The unit is set to the LOAD mode, and the load screen appears on the video monitor.

```
SET–UP MENU      <LOAD>
           * NO
             FACTORY (ALL)
             FACTORY (NOT SYSTEM)
             USER (ALL)
             USER (NOT SYSTEM)
```

4 **Press the MENU-UP button or MENU-DOWN button to move the cursor to FACTORY (ALL), and press the SET button.**

- If this operation is performed with the cursor moved to FACTORY (NOT SYSTEM) instead, all the factory settings except for the SYSTEM menu settings will be restored.
- If this operation is performed with the cursor moved to NO, the factory settings are not restored, and operation is returned to the menu screen.

5 **Set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position.**
This completes the menu settings.

How to set the user defaults

1 **Set the LOCAL/MENU/REMOTE switch to the MENU position.**
The unit is now set to the menu setting mode, and the menu screen appears on the video monitor.

2 **Perform steps *2* through *6* of "Setting method using on-screen menus," and change the items to the desired settings.**
(See page 23)

3 **Press the RESET button.**
The unit is set to the default setting mode, and the default setting screen appears on the video monitor.

```
SELECT        MODE
           * 0 ESCAPE
             1 LOAD
             2 SAVE
             3 PROTECT
```

4 **Press the MENU-UP button or MENU-DOWN button to move the cursor to the SAVE position, and press the SET button.**
The unit is set to the SAVE mode, and the save screen appears on the video monitor.

```
SET–UP MENU      <SAVE>
           * NO
             USER (ALL)
             USER (NOT SYSTEM)
```

5 **Press the MENU-UP button or MENU-DOWN button to move the cursor to USER (ALL), and press the SET button.**

- If this operation is performed with the cursor moved to USER (NOT SYSTEM) instead, all the settings except for the SYSTEM menu settings will be updated.
- If this operation is performed with the cursor moved to NO, the settings are not updated, and operation is returned to the menu screen.

6 **The screen for checking the SAVE operation appears. Press the MENU-UP button or MENU-DOWN button to move the cursor to the YES position, and press the SET button.**
The settings are now saved in the memory.

```
SAVE OK?
           * NO
             YES
```

7 **Set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position.**
This completes the menu settings.

How to load the user defaults

1 **Set the LOCAL/MENU/REMOTE switch to the MENU position.**
The unit is now set to the menu setting mode, and the menu screen appears on the video monitor.

2 **Press the RESET button.**
The unit is set to the default setting mode, and the default setting screen appears on the video monitor.

```
SELECT        MODE
           * 0 ESCAPE
             1 LOAD
             2 SAVE
             3 PROTECT
```

3 **Press the MENU-UP button or MENU-DOWN button to move the cursor to the LOAD position, and press the SET button.**
The unit is set to the LOAD mode, and the load screen appears on the video monitor.

```
SET–UP MENU      <LOAD>
           * NO
             FACTORY (ALL)
             FACTORY (NOT SYSTEM)
             USER (ALL)
             USER (NOT SYSTEM)
```

4 **Press the MENU-UP button or MENU-DOWN button to move the cursor to USER (ALL), and press the SET button.**

- If this operation is performed with the cursor moved to USER (NOT SYSTEM) instead, operation will be performed on the basis of all the user settings saved in the memory except for the SYSTEM menu settings.
- If this operation is performed with the cursor moved to NO, no change is made to the user settings saved in the memory, and operation is returned to the menu screen.

5 **Set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position.**
This completes the menu settings.

How to protect the menus

Opening the setup menu can be prevented even when the LOCAL/MENU/REMOTE switch on the front panel is set to the MENU position by setting the unit to the menu protect mode.

1 **Set the LOCAL/MENU/REMOTE switch to the MENU position.**
The unit is now set to the menu setting mode, and the menu screen appears on the video monitor.

2 **Press the RESET button.**
The unit is set to the default setting mode, and the default setting screen appears on the video monitor.

```
SELECT        MODE
           * 0 ESCAPE
             1 LOAD
             2 SAVE
             3 PROTECT
```

3 **Press the MENU-UP button or MENU-DOWN button to move the cursor to the PROTECT position, and press the SET button.**
The unit is set to the menu protect setting mode, and a screen for checking whether to protect the menus appears on the video monitor.

```
MENU PROTECT OK?
           * NO
             YES
```

4 **Press the MENU-UP button or MENU-DOWN button to move the cursor to the YES position, and press the SET button.**
The menu screen is now displayed.

5 **Set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position.**
The unit is set to the menu protect mode.
When the LOCAL/MENU/REMOTE switch is set to the MENU position, the menu setting mode is not established, and "MENU PROTECTED" appears on the video monitor screen.

<Note>
If the LOCAL/MENU/REMOTE switch is set to the MENU position while holding down the COUNTER button on the front panel, the menu setting mode will be established and the regular menu settings can be performed even in the menu protect mode.

Perform steps *2* through *7* of "Setting method using on-screen menus." (See page 23.)

How to release the menu protection

1 **Set the LOCAL/MENU/REMOTE switch to the MENU position while holding down the COUNTER button on the front panel.**
The unit is set to the menu setting mode, and the menu screen appears on the video monitor.

2 **Perform steps *2* and *3* of "How to protect the menus." and a screen for checking whether to protect the menus appears on the video monitor.**

```
MENU PROTECT OK?
          * NO
            YES
```

3 **Press the MENU-UP button or MENU-DOWN button to move the cursor to the NO position, and press the SET button.**
The menu protection is now released.

How to display the DIAG menu

This unit has a function for displaying hour meters, software version and the deck's serial number on the video monitor.

1 **Set the LOCAL/MENU/REMOTE switch to the MENU position while holding down the EJECT button.**
The unit is set to the diagnosis display mode, and "HOURS METER" appears on the video monitor.

```
DIAG-MENU    HOURS METER
Ser  *********
H00  OPERATION    00000H
H01  DRUM RUN     00000H
H02  TAPE RUN     00000H
H03  THREADING    00000T
H11  DRUM RUN r   00000H
H12  TAPE RUN r   00000H
H13  THREADING r  00000T
```

Any item with "r" can be reset when servicing is performed.

2 **While the hour meters are displayed, press the MENU-UP button or MENU-DOWN button while holding down the PAGE button.**
The deck's serial number and software version are displayed on the video monitor.

```
DIAG-MENU   VERSION
<PAL>
FRONT       1.**-**
IF          1.**-**-*.**
AV-SYSCON   1.**-**-*.**
DV          1.**-**-*.**
CYLINDER    1.**-**-*.**
REEL        1.**-**-*.**
```

When the MENU-UP button or MENU-DOWN button is pressed again while holding down the PAGE button, operation returns to the hour meter display.

3 **Set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position.**
Operation now returns to the normal mode.

SYSTEM menu

Item		Setting		Description of setting
No.	Superimposed display	No.	Superimposed display	
00	ENCODER SEL	0000 0001	REMOTE LOCAL	For setting whether the encoder adjustments (for the analogue video output signals) are to be performed by the external encoder remote controller or the unit. 0: Adjustments are performed by the external encoder remote controller. 1: Adjustments are performed by the unit.
01	VIDEO LEVEL	0000 : 0128 : 0255	−128 : 0 : 127	For setting the video level as part of the encoder adjustments performed by the unit. Maximum variation range: ±3 dB
02	BLACK LEVEL	0000 : 0128 : 0255	−128 : 0 : 127	For setting the black level as part of the encoder adjustments performed by the unit. Maximum variation range: ±70 mV
03	CHROMA PHASE	0000 : 0128 : 0255	−128 : 0 : 127	For setting the chroma phase as part of the encoder adjustments performed by the unit. Maximum variation range: ±25 degrees
04	CHROMA LEVEL	0000 : 0128 : 0255	−128 : 0 : 127	For setting the chroma level as part of the encoder adjustments performed by the unit. Maximum variation range: ±3 dB
05	SYSTEM H	0000 : : 0255	−128 : : 127	For setting the horizontal phase as part of the encoder adjustments performed by the unit. Maximum variation range: ±1.5 μs
06	SC COARSE	0000 0001 0002 0003	0 90 180 270	For coarsely adjusting SC COARSE as part of the encoder adjustments performed by the unit. Variation range: 4 positions of 90 degrees each
07	SC FINE	0000 : : 0255	−128 : : 127	For finely adjusting SC PHASE as part of the encoder adjustments performed by the unit. Maximum variation range: ±45 degrees Together with the SC COARSE adjustment, 360 degrees are covered.
08	SCH COARSE	0000 0001 0002 0003	0 90 180 270	For coarsely adjusting SCH. Variation range: 4 positions of 90 degrees each

The underlining indicates the factory setting.

<Notes>
- Item No. 01, 02, 03 and 04 are initialized only when "ALL" is selected for the initialization operation.
- The (▨) setting items are not initialized by the regular menu resetting operation.

SYSTEM menu

Item		Setting		Description of setting
No.	Superimposed display	No.	Superimposed display	
09	SCH FINE	0000 : : 0255	−128 : : 127	For finely adjusting SCH. Maximum variation range: ±45 degrees Together with the SCH COARSE adjustment, 360 degrees are covered.
10	AV PHASE	0000 : 0255	−128 : 127	For adjusting the phase of the audio output to the video output. Variation range: Increments of 20.8 μs

<Note>

- The (▨) setting items are not initialized by the regular menu resetting operation.

BASIC menu

Item		Setting		Description of setting
No.	Superimposed display	No.	Superimposed display	
000	LOCAL ENA	0000 0001 0002	DIS ST&EJ ENA	For setting the switches which can be operated on the front panel when the REMOTE/LOCAL switch has been set to REMOTE. 0: None of the switches can be operated. 1: Only the STOP and EJECT switches can be operated. 2: All operations are possible except for the COUNTER button and RESET button.
001	TAPE TIMER	0000 0001	±12h 24h	For setting the CTL counter to the 12-hour or 24-hour display system. 0: 12-hour display system 1: 24-hour display system
002	SUPER	0000 0001	OFF ON	For setting whether to display the time code, etc. onto the video monitor output by superimposing it. 0: Superimposed data is not displayed. 1: Superimposed data is displayed.
003	DISPLAY SEL	0000 0001 0002 0003	TIME T&STA T&R T&S&R	For setting what is to be displayed by superimposing onto the video monitor output. 0: Only the time is displayed. 1: The time and operation status are displayed. 2: The time and amount of remaining tape are displayed. 3: The time, operation status and amount of remaining tape are displayed.
004	CHARA H-POS	0000 : 0004 : 0008	0 : 4 : 8	For setting the character position in the horizontal direction for the superimposed display.
005	CHARA V-POS	0000 : : 0025	0 : : 25	For setting the character position in the vertical direction for the superimposed display. A setting from 0 to 21 is valid in the T&S&R mode (3-line display). A setting from 0 to 23 is valid in the T&STA mode or T&R mode (2-line display).
006	CHARA TYPE	0000 0001	WHITE W/OUT	For setting the type of superimposed display and menu display. 0: White characters are displayed on a black background. 1: White characters with black borders are displayed.
007	SYS FORMAT	0000 0001	50M 25M	For setting the unit's recording and playback format. 0: 50 Mbps mode 1: 25 Mbps mode
008	PB FORMAT	0000 0001	MANUAL AUTO	For setting the format during tape playback. 0: Setting is based on the setting selected for menu item No.007 (SYS FORMAT). 1: Setting is based on the format recorded on the tape.

The underlining indicates the factory setting.

<Notes>

- If the PAGE button and DATA+ button or DATA– button are pressed when the CHARA H-POS or CHARA V-POS item has been set, the counter display appears temporarily while this button is held down to enable the setting to be checked.
  Even while the PAGE button is pressed, the settings can be performed using the DATA+ button or DATA– button while the actual status is checked.

OPERATION menu

Item		Setting		Description of setting
No.	Superimposed display	No.	Superimposed display	
100	SEARCH SPEED			For setting the speed at which the tape is to be decelerated when the search switch on the front panel has been pressed.
		0000	X4.1	0: 4.1× normal tape speed
		0001	X8.4	1: 8.4× normal tape speed
101	SHTL MAX			For setting the maximum speed in the shuttle mode when the external controller connected to the 9-pin remote connector is used.
		0000	X8.4	0: 8.4× normal tape speed
		0001	X16	1: 16× normal tape speed
		0002	X32	2: 32× normal tape speed
102	FF. REW MAX			For setting the maximum fast forward and rewind speed.
		0000	X16	0: 16× normal tape speed
		0001	X32	1: 32× normal tape speed
		0002	X60	2: 60× normal tape speed
				<Note> When the 50M mode has been selected as the menu item No.007 (SYS FORMAT) setting, the tape will run at 32× the normal tape speed even if 60× has been selected.
103	AUDIO MUTE			For setting the status until the audio signals are output when the unit has been transferred from the stop mode or search mode to play mode. (This item functions only with PCM audio signals.)
		0000	OFF	0: It takes a shorter time until the audio signals are output.
		0001	ON	1: The audio signals are stabilized before they are output.
104	REF ALARM			For setting whether a warning is to be displayed when the reference video signal has not been connected.
		0000	OFF	0: No warning is displayed.
		0001	ON	1: A warning is displayed (the stop button flashes when there is a warning).
105	STOP MODE			For setting the mode of the digital circuit in the stop mode.
		0000	REC	0: The digital circuit is set to the REC system. It takes a shorter time for operation to transfer to the REC mode. In this case, the E-E mode is established regardless of the position of the TAPE/EE switch.
		0001	PB	1: The digital circuit is set to the PB system. It takes a shorter time for operation to transfer to the playback mode.
106	HUMID OPE			For setting whether to ignore condensation when it has formed and continue with operation.
		0000	OFF	0: Unit does not continue to operate when condensation has formed.
		0001	ON	1: Unit continues to operate when condensation has formed in which case it cannot be guaranteed that the unit will operate normally.
				<Note> Due to the possibility that the tape may be damaged, this item should normally be set to 0 (no operation).
107	WIDE MODE			For setting whether to perform recording in the wide mode.
		0000	WIDE	0: Recording is performed in the wide mode.
		0001	NORMAL	1: Recording is performed in the 4:3 normal mode.
108	AUTO REW			For setting whether to automatically rewind the tape to the beginning when the tape end has been detected by a recording, playback or search operation.
		0000	OFF	0: The tape is not rewound.
		0001	ON	1: The tape is rewound to its beginning.

The underlining indicates the factory setting.

OPERATION menu

Item		Setting		Description of setting
No.	Superimposed display	No.	Superimposed display	
109	MEMORY STOP			For setting whether to stop the tape when the CTL counter reading becomes zero during fast forwarding or rewinding. (This item functions only in the CTL mode.)
		0000	OFF	0: The tape is not stopped.
		0001	ON	1: The tape is stopped.
110	AUTO BACK			For setting the operating method in the no-gap mode. (Specifies whether or not to use the AUTO BACK function, which rewinds the tape for a few seconds to eliminate gaps and distortion between segments.)
		0000	OFF	0: No AUTO BACK function.
		0001	REC-P	1: Auto back is performed when switching to the REC PAUSE mode, after which the unit remains in REC PAUSE status. (When PAUSE is cancelled, the tape is advanced and then recording starts.)
		0002	ALL	2: In addition to the functions of setting 0001 "REC-P," AUTO BACK is performed when switching to the REC PLAY mode, immediately after which the tape is advanced and recording starts.
111	AFTER CUE-UP			For setting the status after cue-up.
		0000	STOP	0: For stopping the tape in the stop mode.
		0001	STILL	1: For stopping the tape in the still mode.
112	CAP LOCK			For setting the capstan lock mode.
		0000	2F	0: Capstan locks at 2F.
		0001	4F	1: Capstan locks at 4F.
		0002	8F	2: Capstan locks at 8F.
113	BATTERY SEL			For setting the type of battery.
		0000	NiCd-12	0: 12V battery
		0001	NiCd-13	1: 13V battery
		0002	NiCd-14	2: 14V battery
114	FRZ MODE SEL			For selecting the output picture in the STANDBY OFF (HALF LOADING) mode when the TAPE/EE switch has been set to TAPE.
		0000	DIS	0: The output picture is muted.
		0001	STBOFF	1: The playback picture is frozen for output as soon as the STANDBY OFF (HALF LOADING) mode is established.
115	EJECT EE SEL			For selecting the video output and audio output while the tape was being ejected when the TAPE/EE switch has been set to TAPE.
		0000	EE	0: The E-E picture and E-E sound are output.
		0001	BLACK	1: The E-E picture and E-E sound are muted.

The underlining indicates the factory setting.

INTERFACE menu

Item		Setting		Description of setting
No.	Superimposed display	No.	Superimposed display	
200	ID SEL			For setting the ID information to be returned to the controller.
		0000	OTHER	0: 21 25H is returned.
		0001	DVCPRO	1: The DVCPRO unit's own ID (F1 33H) is returned.

The underlining indicates the factory setting.

TAPE PROTECT menu

Item		Setting		Description of setting
No.	Superimposed display	No.	Superimposed display	
400	STILL TIMER	0000	0.5S	For setting the time taken until the tape protection mode is established when the unit has been left standing in the stop or still mode. (Unit: S = seconds, min = minutes)
		0001	5S	
		0002	10S	
		0003	20S	
		0004	30S	
		0005	40S	
		0006	50S	
		0007	1min	
		0008	2min	
401	SRC PROTECT			For setting the tape protection mode operation when the unit has been left standing in the still mode.
		0000	STEP	0: STEP FWD
		0001	HALF	1: STANDBY OFF (HALF LOADING) **<Note>** When STEP FWD has been selected, the unit is automatically transferred to the STANDBY OFF (HALF LOADING) mode when the total length of time it has been left standing in the still mode reaches 30 minutes.
402	DRUM STDBY			For setting the drum operation in the STANDBY OFF (HALF LOADING) mode.
		0000	OFF	0: The drum rotation is stopped.
		0001	ON	1: The drum rotation is continued.
403	STOP PROTECT			For setting the tape protection mode operation when the unit has been left standing in the stop mode.
		0000	STEP	0: STEP FWD
		0001	HALF	1: STANDBY OFF (HALF LOADING) **<Note>** When STEP FWD has been selected, the unit is automatically transferred to the STANDBY OFF (HALF LOADING) mode when the total length of time it has been left standing in the stop mode reaches 30 minutes.

The underlining indicates the factory setting.

TIME CODE menu

Item		Setting		Description of setting
No.	Superimposed display	No.	Superimposed display	
500	VITC BLANK			For setting whether the VITC signal is to be output to the composite video output.
		0000	BLANK	0: VITC signal is not output.
		0001	THRU	1: VITC signal is output.
501	VITC POS-1	0000	7L	For setting the position where the VITC signal is to be inserted.
		:	:	(The same line as the one used for VITC POS-2 cannot be set.)
		0004	11L	
		:	:	
		0014	21L	
502	VITC POS-2	0000	7L	For setting the position where the VITC signal is to be inserted.
		:	:	(The same line as the one used for VITC POS-1 cannot be set.)
		0006	13L	
		:	:	
		0014	21L	
503	TCG REGEN			For setting the signal which is to be regenerated when the time code generator (TCG) is in the regeneration mode.
		0000	TC&UB	0: Both the time code and user's bit are regenerated.
		0001	TC	1: Only the time code is regenerated.
		0002	UB	2: Only the user's bit is regenerated.
504	TC MODE			For setting the TCG mode.
		0000	P-REC	0: The time code is counted up simultaneously with the recording.
		0001	P-FREE	1: The time code is counted up irrespective of the VTR mode.
		0002	I-REG	2: The time code is counted up in such a way that it follows on the tape.
		0003	E-VITC	3: The mode is synchronized with VITC which is superimposed onto the video input.
		0004	E-LTC	4: The mode is synchronized with LTC in the TC input.
505	TC PRESET			For setting the time code value when P-REC or P-FREE has been selected as the TCG mode setting by the menu item No.504 (TC MODE). After the + or – button is pressed, select the digit to be changed using the UP or DOWN button, and then change the value using the + or – button again.
506	UB PRESET			For setting the user's bit value when P-REC or P-FREE has been selected as the TCG mode setting by the menu item No.504 (TC MODE). After the + or – button is pressed, select the digit to be changed using the UP or DOWN button, and then change the value using the + or – button again.
507	BINARY GP			For setting the usage status of the user's bit which is generated by the TCG.
		0000	000	0: NOT SPECIFIED (character set is not specified)
		0001	001	1: ISO CHARACTER (8-bit character set complying with the ISO-646 or ISO-2022 standard)
		0002	010	2: (Undefined)
		0003	011	3: (Undefined)
		0004	100	4: (Undefined)
		0005	101	5: PAGE/LINE (page/line multiplexing system complying with SMPTE262M standard)
		0006	110	6: (Undefined)
		0007	111	7: (Undefined)
508	PHASE CORR			For setting whether to control the phase compensation of the linear time code which is generated by the TCG.
		0000	OFF	0: No phase correction control is exercised. (LTC phase correction bit: 0)
		0001	ON	1: Phase correction control is exercised. (LTC phase correction bit: 1)

The underlining indicates the factory setting.

TIME CODE menu

Item		Setting		Description of setting
No.	Superimposed display	No.	Superimposed display	
509	TCG CF FLAG			For setting whether to add the CF flag of the TCG to the CF bit (colour frame bit) when P-REC or P-FREE has been selected as the TCG mode setting by the menu item No.504 (TC MODE).
		0000	OFF	0: CF flag is not added. (LTC CF bit: 0)
		0001	ON	1: CF flag is added. (LTC CF bit: 1)

The underlining indicates the factory setting.

VIDEO menu

Item		Setting		Description of setting
No.	Superimposed display	No.	Superimposed display	
600	OUT VSYNC			For setting whether to float the vertical sync position of the video output in order to input the video output phase during E-E mode recording.
		0000	N-VF	0: Vertical sync position is not floated.
		0001	VF	1: Vertical sync position is floated.
601	V-MUTE SEL			For setting whether to mute the video signals when LOW RF or NO RF has occurred during playback.
		0000	N-MUTE	0: The video signals are not muted (the picture is frozen).
		0001	LOW RF	1: The video signal picture is muted (the screen goes blank).
604	FREEZE SEL			For setting the freeze mode of still pictures.
		0000	FIELD1	0: Field freeze (field No.1)
		0001	FIELD2	1: Field freeze (field No.2)
		0002	FRAME	2: Frame freeze
605	EDH			For setting whether to superimpose EDH onto the serial output. (This function works when the optional SDI input/output board has been installed. When it has not been installed, "N/A" is displayed, and the function does not work.)
		0000	OFF	0: EDH is not superimposed.
		0001	ON	1: EDH is superimposed.
606	INPUT C KILL			For setting the colour killer processing for the video input signals.
		0000	B/W	0: The video signals are forcibly set to the black-and-white mode.
		0001	AUTO	1: The video signals are processed automatically.
607	IN FRM DET			For setting frame detection processing during input.
		0000	FORCED	0: Frame detection is performed all the time.
		0001	AUTO	1: Frame detection is prohibited when non-standard colour signals are input.
624	V IN SEL			For setting the video input signals.
		0000	CMPST	0: Analogue composite video signal is input.
		0001	CMPNT	1: Analogue component video signal is input.
625	V OUT SEL			For setting the video output signals.
		0000	CMPST	0: Analogue composite video signal is output.
		0001	CMPNT	1: Analogue component video signal is output.

The underlining indicates the factory setting.

AUDIO menu

Item		Setting		Description of setting
No.	Superimposed display	No.	Superimposed display	
700	CH1 IN LV	0000	4dB	For setting the audio input (CH1) reference level.
		0001	0dB	
		0002	-3dB	
		0003	-20dB	
701	CH2 IN LV	0000	4dB	For setting the audio input (CH2) reference level.
		0001	0dB	
		0002	-3dB	
		0003	-20dB	
702	CH1 OUT LV	0000	4dB	For setting the audio output (CH1) reference level.
		0001	0dB	
		0002	-3dB	
		0003	-20dB	
703	CH2 OUT LV	0000	4dB	For setting the audio output (CH2) reference level.
		0001	0dB	
		0002	-3dB	
		0003	-20dB	
704	EMPHASIS	0000	OFF	For setting emphasis ON or OFF.
		0001	ON	
705	MONI SEL			For setting the audio signals during playback.
		0000	PLY PCM	0: PCM audio signals are output.
		0001	PLY CUE	1: CUE audio signals are output.
706	REC CUE			For setting the audio input signals which are to be recorded on the cue track.
		0000	CH1	0: CH1 input signals are recorded.
		0001	CH2	1: CH2 input signals are recorded.
		0002	CH1+2	2: CH1 and CH2 input signals are mixed and recorded.
707	PB FADE			For setting the monitor output and headphone output sound during playback.
		0000	AUTO	0: The sound complies with the status during recording.
		0001	CUT	1: The sound is forcibly cut.
		0002	FADE	2: The sound is forcibly faded.
708	MONITOR MIX			For setting the audio monitor output method. (This function works when the audio monitor selector switch on the front panel is set to the ST position.)
		0000	STEREO	0: The sound is output in stereo (with the left channel sound from the L connector and right channel sound from the R connector).
		0001	CH1+2	1: The sound is mixed (and mixed sound is output at both connectors).
709	H.PHONE MIX			For setting the headphone output. (This function works when the audio monitor selector switch on the front panel is set to the ST position.)
		0000	STEREO	0: The sound is output in stereo.
		0001	CH1+2	1: The sound is mixed (when monaural headphones are used).
710	CUE OUT SEL			For setting whether the analogue cue signals are to be output to the audio output (main line system).
		0000	OFF	0: The analogue cue signals are not output. PCM audio signals are output during playback; no sound is output in all other modes.
		0001	ON	1: The analogue cue signals are output. PCM audio signals are output during playback; analogue cue signals are output in all other modes.

The underlining indicates the factory setting.

AUDIO menu

Item		Setting		Description of setting
No.	Superimposed display	No.	Superimposed display	
711	PB AUDIO SEL			For setting the audio tracks to be played back. (This function works in the 50 Mbps mode.)
		0000	TR1/2	0: The sound recorded on tracks 1 and 2 is played back.
		0001	TR3/4	1: The sound recorded on tracks 3 and 4 is played back.
712	SDI IN SEL			For setting the audio SDI input channels for recording. (This function works when the optional SDI input/output board has been installed. When it has not been installed, "N/A" is displayed, and the function does not work.)
		0000	CH1/2	0: The SDI input CH1 and CH2 sound is recorded.
		0001	CH3/4	1: The SDI input CH3 and CH4 sound is recorded.
713	AUD REC IN			For setting the audio processing method at the point when digital audio recording is commenced.
		0000	CUT	0: Cut processing
		0001	FADE	1: V fade processing
714	EMBEDDED AUD			For setting sound multiplexing. (This function works when the optional SDI input/output board has been installed. When it has not been installed, "N/A" is displayed, and the function does not work.)
		0000	OFF	0: The sound is not multiplexed.
		0001	ON	1: The sound is multiplexed.

The underlining indicates the factory setting.

Error Messages

When trouble has occurred in the unit, one of the following error messages will be displayed on the tape counter.

Error No.	Description
– d –	Condensation (dew) has formed.
E — 00	This appears when the servo has failed to lock for more than 3 seconds. If "T&S&R" has been selected as the setup menu item No.003 setting, "SERVO NOT LOCKED" is displayed on the third line (amount of remaining tape line) of the monitor screen.
E — 01	This appears when there is no head output (due to clogging, etc.) for more than 3 seconds. "L" is displayed on the first line (counter line) of the monitor screen. If "T&S&R" has been selected as the setup menu item No.003 setting, "LOW RF" is displayed on the third line (amount of remaining tape line) of the monitor screen.
E — 02	This appears when the error rate has deteriorated (when the channel condition lamps have turned red). If "T&S&R" has been selected as the setup menu item No.003 setting, "HIGH ERROR RATE" is displayed on the third line (amount of remaining tape line) of the monitor screen.
E — 09	This appears when a blank portion on the tape has been detected. "N" is displayed on the first line (counter line) of the monitor screen. If "T&S&R" has been selected as the setup menu item No.003 setting, "NO RF" is displayed on the third line (amount of remaining tape line) of the monitor screen. When all the following conditions are satisfied, the part of the tape concerned is recognized as a blank part. ● When there is no output from any of the heads ● When the playback data cannot be read ● When there is no CTL signal
E — 10	This appears when the fan motor has stopped. "S" is displayed on the first line (counter line) of the monitor screen. If "T&S&R" has been selected as the setup menu item No.003 setting, "FAN STOP" is displayed on the third line (amount of remaining tape line) of the monitor screen. The power will be automatically turned off if the fan remains stopped for more than 5 minutes or so.
E — 11	This appears when the reel base which operates in accordance with the size of the tape has locked up for more than 2.5 seconds.
E — 21	This appears when the cassette down operation fails to take place even when 4 seconds have elapsed after the cassette was inserted. Alternatively, it appears when the cassette fails to be ejected even when 4 seconds have elapsed after its ejection operation was performed.

Error No.	Description
E — 31	This appears when the loading operations fails to be completed within 4 seconds.
E — 32	This appears when the unloading operations fails to be completed within 4 seconds.
E — 41	This appears when the FG signal (rotational speed signal) fails to be output from the cylinder motor.
E — 42	This appears when the PG signal (phase signal) fails to be output from the cylinder motor.
E — 43	This appears when the cylinder motor speed is abnormally high.
E — 44	This appears when the cylinder motor speed is abnormally low.
E — 51	This appears when the FG signal (rotational speed signal) fails to be output from the capstan motor.
E — 52	This appears when the capstan motor speed is abnormally high.
E — 53	This appears when the capstan motor speed is abnormally low.
E — 61	This appears when the supply reel motor has locked up.
E — 62	This appears when the take-up reel motor has locked up.
E — 63	This appears when the supply reel motor speed is abnormally high.
E — 64	This appears when the take-up reel motor speed is abnormally high.
E — 65	This appears when abnormal tension has been detected.
E — 66	This appears when the start or end processing operation fails to be completed within 7 seconds.
E — 67	This appears when there is a communication error between SERVO and AVSYS. There is a problem with the data.
E — 68	This appears when there is a communication error between SERVO and AVSYS. The data is fixed to high or low.
E — 69	This appears when there is a problem in communication between SERVO and AVSYS when the power is turned on.
E — 6A	This appears when there is a communication error between IF and FRONT.
E — 6B	This appears when there is a communication error between IF and AVSYS. There is a problem with the internal reference or external reference.
E — 80	This appears when there is a problem with the supply voltage.
E — bA	This appears when the input DC voltage has dropped below the undercut voltage (approx. 10.6V).

Emergency Eject

Procedure for removing the tape manually in an emergency

Use the procedure below to remove the cassette tape if it can not be removed even when the EJECT button is pressed.

● Before proceeding to eject the tape manually, you must first turn off the power to the unit.

❶ Remove the top panel.

❷ Use a Phillips head screwdriver to push in and turn the red plastic screw part counterclockwise.
(This screw needs to be rotated about 30 turns before unloading can be started.)

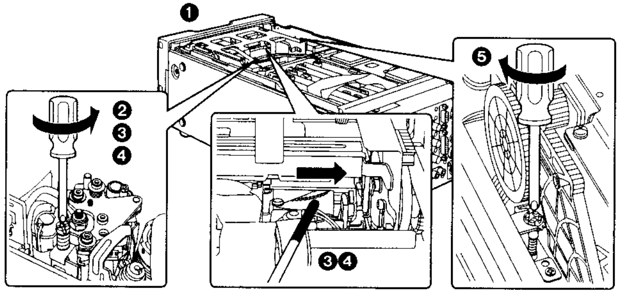
❸ Insert the take-up jig (packed with the unit) into the tape ejection slot (on the mechanism side of the VTR), and rotate the flange part (white gear) of the supply reel in the take-up direction to take up the tape slack using the rubber part of the take-up jig.

<Note>
Take care not to damage the tape in any way.

❹ Once more use the Phillips head screwdriver to push in and turn the red plastic screw part counterclockwise. Again rotate the flange part of the supply reel in the take-up direction to take up the tape slack.
This two-step procedure needs to be repeated until the tape is completely housed in the cassette case (about 90 turns of the red plastic screw part).

❺ Use the Phillips head screwdriver to turn the red plastic screw part at the slot-in side clockwise to eject the cassette tape.
(This screw needs to be rotated through about 140 turns until the tape is ejected.)

<Note>
Take care not to sandwich or catch the tape when closing the cassette cover.



SERVICE INFORMATION

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1. Service Menu Setting

1-1. SERVO

Parameter		Default Value	Settings and Brief Functional Description
No.	Display		
A01	T OFFSET	-128 ~ 127	T reel torque command offset adjustment
A02	S OFFSET	-128 ~ 127	S reel torque command offset adjustment
A03	T TORQUE	-128 ~ 127	T reel motor torque offset value compensation
A04	S TORQUE	-128 ~ 127	S reel motor torque offset value compensation
A05	TENSION OFST	-128 ~ 127	Tension offset adjustment
A06	PG SFTR 50 R	0 ~ 32767	50M PG shifter automatic adjustment
	PG SFTR 50 F	0 ~ 32767	
A07	PG SFTR 25 R	0 ~ 32767	25M PG shifter automatic adjustment
	PG SFTR 25 F	0 ~ 32767	
A08	RP GAIN 50M	-128 ~ 127	LISTA adjustment at 50M. (RP head gain adjustment)
A09	RP LIN50M	-----	Measurement of RP linearity
A10	PB GAIN 50M	-128 ~ 127	LISTA adjustment at 50M. (PB head gain adjustment)
A11	PB LIN50M	-----	Measurement of PB linearity
A12	RP GAIN 25M	-128 ~ 127	LISTA adjustment at 25M. (RP head gain adjustment)
A13	RP LIN25M	-----	Measurement of RP linearity
A14	PB GAIN 25M	-128 ~ 127	LISTA adjustment at 25M. (PB head gain adjustment)
A15	PB LIN25M	-----	Measurement of PB linearity
A16	MOTOR CHECK	OFF	Motor operation check
		CAPS.	
		DRUM	
		T REEL	
		S REEL	
A17	REC DATA SEL	CW	Selection of record data
		CW/2	
		CW/4	

1-2. RF/50M PLAY (PB)

Parameter		Default Value	Settings and Brief Functional Description
No.	Display		
B01	VITERBI	AUTO	Settings in VITERBI mode
		ON	
		OFF	
B02	VCO L	0 ~ 255	VCO (Lch)
B03	PB MAG L1	0 ~ 255	Playback amplitude (PB/L1 ch)
B04	PB MAG L2	0 ~ 255	Playback amplitude (PB/L2 ch)

B05	PB PLLSLICEL	0 ~ 255	Slice level (PB/Lch)
B06	PB DELAY L	0 ~ 255	Amount of EQ delay (PB/Lch)
B07	PB AEQ L	0 ~ 255	AutoEQ offset (PB/Lch)
B08	PB EQA L1	0 ~ 255	EQα (PB/L1ch)
B09	PB EQA L2	0 ~ 255	EQα (PB/L2ch)
B10	PB EQB L1	0 ~ 255	EQβ (PB/L1ch)
B11	PB EQB L2	0 ~ 255	EQβ (PB/L2ch)
B12	PB PLLSLICEL	0 ~ 255	Slice level (PB/Lch)
B13	PB PLLPHASEL	0 ~ 255	Clock phase (PB/Lch)
B14	PB PHASE L1	0 ~ 255	Playback group delay compensation (PB/L1ch)
B15	PB PHASE L2	0 ~ 255	Playback group delay compensation (PB/L2ch)
B16	VITERBI	AUTO	Settings in VITERBI mode
		ON	
		OFF	
B17	A/2 L	0 ~ 31	A/2 value (PB/Lch)
B18	CLOCKNO L	0 ~ 63	Clock number (PB/Lch)
B19	PB PLLSLICEL	0 ~ 255	Slice level (PB/Lch)
B20	VITERBI	AUTO	Settings in VITERBI mode
		ON	
		OFF	
B21	VCO R	0 ~ 255	VCO (Rch)
B22	PB MAG R1	0 ~ 255	Playback amplitude (PB/R1ch)
B23	PB MAG R2	0 ~ 255	Playback amplitude (PB/R2ch)
B24	PB PLLSLICER	0 ~ 255	Slice level (PB/Rch)
B25	PB DELAY R	0 ~ 255	Amount of EQ delay (PB/Rch)
B26	PB AEQ R	0 ~ 255	AutoEQ offset (PB/Rch)
B27	PB EQA R1	0 ~ 255	EQα (PB/R1ch)
B28	PB EQA R2	0 ~ 255	EQα (PB/R2ch)
B29	PB EQB R1	0 ~ 255	EQβ (PB/R1ch)
B30	PB EQB R2	0 ~ 255	EQβ (PB/R2ch)
B31	PB PLLSLICER	0 ~ 255	Slice level (PB/Rch)
B32	PB PLLPHASER	0 ~ 255	Clock phase (PB/Rch)
B33	PB PHASE R1	0 ~ 255	Playback group delay compensation (PB/R1ch)
B34	PB PHASE R2	0 ~ 255	Playback group delay compensation (PB/R2ch)
B35	VITERBI	AUTO	Settings in VITERBI mode
		ON	
		OFF	
B36	A/2 R	0 ~ 31	A/2 value (PB/Rch)
B37	CLOCKNO R	0 ~ 63	Clock number (PB/Rch)
B38	PB PLLSLICER	0 ~ 255	Slice level (PB/Rch)

B39	VITERBI	AUTO	Settings in VITERBI mode
		ON	
		OFF	
B40	25M TAPEPLAY	ATF	Set servo to the selected format - forced playback. (Only ATF or ATF50P is selectable.)
		CTL50P	
		CTL50R	
		CTL25P	
		CTL25R	
		ATF50P	
		ATF50R	
B41	DEFAULT	-----	Pressing SET key at DEFAULT menu displays END, LOAD and SAVE.
B41	DEFAULT END	-----	Abort the current procedure.
B41	DEFAULT SAVE	-----	Save the factory adjustments.
B41	DEFAULT LOAD	-----	Set the adjustments to the factory settings.

1-3. RF/50M PLAY (RP)

Parameter		Default Value	Settings and Brief Functional Description
No.	Display		
C01	VITERBI	AUTO	Settings in VITERBI mode
		ON	
		OFF	
C02	VCO L	0 ~ 255	VCO (Lch)
C03	RP MAG L1	0 ~ 255	Playback amplitude (RP/L1ch)
C04	RP MAG L2	0 ~ 255	Playback amplitude (RP/L2ch)
C05	RP PLLSLICEL	0 ~ 255	Slice level (RP/Lch)
C06	RP DELAY L	0 ~ 255	Amount of EQ delay (RP/Lch)
C07	RP AEQ L	0 ~ 255	Auto EQ offset (RP/Lch)
C08	RP EQA L1	0 ~ 255	EQα (RP/L1ch)
C09	RP EQA L2	0 ~ 255	EQα (RP/L2ch)
C10	RP EQB L1	0 ~ 255	EQβ (RP/L1ch)
C11	RP EQB L2	0 ~ 255	EQβ (RP/L2ch)
C12	RP PLLSLICEL	0 ~ 255	Slice level (RP/Lch)
C13	RP PLLPHASEL	0 ~ 255	Clock phase (RP/Lch)
C14	RP PHASE L1	0 ~ 255	Playback group delay compensation (RP/L1ch)
C15	RP PHASE L2	0 ~ 255	Playback group delay compensation (RP/L2ch)
C16	VITERBI	AUTO	Settings in VITERBI mode
		ON	
		OFF	

C17	A/2 L	0 ~ 31	A/2 value (PB/Lch)
C18	CLOCKNO L	0 ~ 63	Clock number (PB/Lch)
C19	PB PLLSLICEL	0 ~ 255	Slice level (PB/Lch)
C20	VITERBI	AUTO	Settings in VITERBI mode
		ON	
		OFF	
C21	VCO R	0 ~ 255	VCO (Rch)
C22	RP MAG R1	0 ~ 255	Playback amplitude (RP/R1ch)
C23	RP MAG R2	0 ~ 255	Playback amplitude (RP/R2ch)
C24	RP PLLSLICER	0 ~ 255	Slice level (RP/Rch)
C25	RP DELAY R	0 ~ 255	Amount of EQ delay (RP/Rch)
C26	RP AEQ R	0 ~ 255	Auto EQ offset (RP/Rch)
C27	RP EQA R1	0 ~ 255	EQα (RP/R1ch)
C28	RP EQA R2	0 ~ 255	EQα (RP/R2ch)
C29	RP EQB R1	0 ~ 255	EQβ (RP/R1ch)
C30	RP EQB R2	0 ~ 255	EQβ (RP/R2ch)
C31	RP PLLSLICER	0 ~ 255	Slice level (RP/Rch)
C32	RP PLLPHASER	0 ~ 255	Clock phase (RP/Rch)
C33	RP PHASE R1	0 ~ 255	Playback group delay compensation (RP/R1ch)
C34	RP PHASE R2	0 ~ 255	Playback group delay compensation (RP/R2ch)
C35	VITERBI	AUTO	Settings in VITERBI mode
		ON	
		OFF	
C36	A/2 R	0 ~ 31	A/2 value (RP/Rch)
C37	CLOCKNO R	0 ~ 63	Clock number (RP/Rch)
C38	RP PLLSLICER	0 ~ 255	Slice level (RP/Rch)
C39	VITERBI	AUTO	Settings in VITERBI mode
		ON	
		OFF	
C40	25M TAPEPLAY	ATF	Set servo to the selected format - forced playback. (Only ATF or ATF50P is selectable.)
		CTL50P	
		CTL50R	
		CTL25P	
		CTL25R	
		ATF50P	
		ATF50R	
C41	DEFAULT	-----	Pressing SET key at DEFAULT menu displays END, LOAD and SAVE.
C41	DEFAULT END	-----	Abort the current procedure.
C41	DEFAULT SAVE	-----	Save the factory adjustments.
C41	DEFAULT LOAD	-----	Set the adjustments to the factory settings.

1-4. RF/50M REC

Parameter		Default Value	Settings and Brief Functional Description
No.	Display		
D01	REC CURR L1	0 ~ 255	Recording current (L1ch)
D02	REC CURR L2	0 ~ 255	Recording current (L2ch)
D03	REC FREQ L1	0 ~ 255	Recording freq. response (L1ch)
D04	REC FREQ L2	0 ~ 255	Recording freq. response (L2ch)
D05	REC CURR R1	0 ~ 255	Recording current (R1ch)
D06	REC CURR R2	0 ~ 255	Recording current (R2ch)
D07	REC FREQ R1	0 ~ 255	Recording freq. response (R1ch)
D08	REC FREQ R2	0 ~ 255	Recording freq. response (R2ch)
D09	DEFAULT	-----	Pressing SET key at DEFAULT menu displays END, LOAD and SAVE.
D09	DEFAULT END	-----	Abort the current procedure.
D09	DEFAULT SAVE	-----	Save the factory adjustments.
D09	DEFAULT LOAD	-----	Set the adjustments to the factory settings.

1-5. RF/25M PLAY (PB)

Parameter		Default Value	Settings and Brief Functional Description
No.	Display		
E01	VITERBI	AUTO ON OFF	Settings in VITERBI mode
E02	VCO L	0 ~ 255	VCO (Lch)
E03	PB MAG L1	0 ~ 255	Playback amplitude (PB/L1ch)
E04	PB MAG L2	0 ~ 255	Playback amplitude (PB/L2ch)
E05	PB PLLSLICEL	0 ~ 255	Slice level (PB/Lch)
E06	PB DELAY L	0 ~ 255	Amount of EQ delay (PB/Lch)
E07	PB AEQ L	0 ~ 255	Auto EQ offset (PB/Lch)
E08	PB EQA L1	0 ~ 255	EQα (PB/L1ch)
E09	PB EQA L2	0 ~ 255	EQα (PB/L2ch)
E10	PB EQB L1	0 ~ 255	EQβ (PB/L1ch)
E11	PB EQB L2	0 ~ 255	EQβ (PB/L2ch)
E12	PB PLLSLICEL	0 ~ 255	Slice level (PB/Lch)
E13	PB PLLPHASEL	0 ~ 255	Clock phase (PB/Lch)
E14	PB PHASE L1	0 ~ 255	Playback group delay compensation (PB/L1ch)
E15	PB PHASE L2	0 ~ 255	Playback group delay compensation (PB/L2ch)

E16	VITERBI	AUTO	Settings in VITERBI mode
		ON	
		OFF	
E17	A/2 L	0 ~ 31	A/2 Value (PB/Lch)
E18	CLOCKNO L	0 ~ 63	Clock number (PB/Lch)
E19	PB PLLSLICEL	0 ~ 255	Slice level (PB/Lch)
E20	VITERBI	AUTO	Settings in VITERBI mode
		ON	
		OFF	
E21	VCO R	0 ~ 255	VCO (Rch)
E22	PB MAG R1	0 ~ 255	Playback amplitude (PB/R1ch)
E23	PB MAG R2	0 ~ 255	Playback amplitude (PB/R2ch)
E24	PB PLLSLICER	0 ~ 255	Slice level (PB/Rch)
E25	PB DELAY R	0 ~ 255	Amount of EQ delay (PB/Rch)
E26	PB AEQ R	0 ~ 255	Auto EQ offset (PB/Rch)
E27	PB EQA R1	0 ~ 255	EQα (PB/R1ch)
E28	PB EQA R2	0 ~ 255	EQα (PB/R2ch)
E29	PB EQB R1	0 ~ 255	EQβ (PB/R1ch)
E30	PB EQB R2	0 ~ 255	EQβ (PB/R2ch)
E31	PB PLLSLICER	0 ~ 255	Slice level (PB/Rch)
E32	PB PLLPHASER	0 ~ 255	Clock phase (PB/Rch)
E33	PB PHASE R1	0 ~ 255	Playback group delay compensation (PB/R1ch)
E34	PB PHASE R2	0 ~ 255	Playback group delay compensation (PB/R2ch)
E35	VITERBI	AUTO	Settings in VITERBI mode
		ON	
		OFF	
E36	A/2 R	0 ~ 31	A/2 Value (PB/Rch)
E37	CLOCKNO R	0 ~ 63	Clock number (PB/Rch)
E38	PB PLLSLICER	0 ~ 255	Slice level (PB/Rch)
E39	VITERBI	AUTO	Settings in VITERBI mode
		ON	
		OFF	
E40	DEFAULT	-----	Pressing SET key at DEFAULT menu displays END, LOAD and SAVE.
E40	DEFAULT END	-----	Abort the current procedure.
E40	DEFAULT SAVE	-----	Save the factory adjustments.
E40	DEFAULT LOAD	-----	Set the adjustments to the factory settings.

1-6. RF/25M PLAY (RP)

Parameter		Default Value	Settings and Brief Functional Description
No.	Display		
F01	VITERBI	AUTO ON OFF	Settings in VITERBI mode
F02	VCO L	0 ~ 255	VCO (Lch)
F03	RP MAG L1	0 ~ 255	Playback amplitude (RP/L1ch)
F04	RP MAG L2	0 ~ 255	Playback amplitude (RP/L2ch)
F05	RP PLLSLICEL	0 ~ 255	Slice level (RP/Lch)
F06	RP DELAY L	0 ~ 255	Amount of EQ delay (RP/Lch)
F07	RP AEQ L	0 ~ 255	Auto EQ offset (RP/Lch)
F08	RP EQA L1	0 ~ 255	EQα (RP/L1ch)
F09	RP EQA L2	0 ~ 255	EQα (RP/L2ch)
F10	RP EQB L1	0 ~ 255	EQβ (RP/L1ch)
F11	RP EQB L2	0 ~ 255	EQβ (RP/L2ch)
F12	RP PLLSLICEL	0 ~ 255	Slice level (RP/Lch)
F13	RP PLLPHASEL	0 ~ 255	Clock phase (RP/Lch)
F14	RP PHASE L1	0 ~ 255	Playback group delay compensation (RP/L1ch)
F15	RP PHASE L2	0 ~ 255	Playback group delay compensation (RP/L2ch)
F16	VITERBI	AUTO ON OFF	Settings in VITERBI mode
F17	A/2 L	0 ~ 31	A/2 Value (RP/Lch)
F18	CLOCKNO L	0 ~ 63	Clock number (RP/Lch)
F19	RP PLLSLICEL	0 ~ 255	Slice level (RP/Lch)
F20	VITERBI	AUTO ON OFF	Settings in VITERBI mode
F21	VCO R	0 ~ 255	VCO (Rch)
F22	RP MAG R1	0 ~ 255	Playback amplitude (RP/R1ch)
F23	RP MAG R2	0 ~ 255	Playback amplitude (RP/R2ch)
F24	RP PLLSLICER	0 ~ 255	Slice level (RP/Rch)
F25	RP DELAY R	0 ~ 255	Amount of EQ delay (RP/Rch)
F26	RP AEQ R	0 ~ 255	AutoEQ offset (RP/Rch)
F27	RP EQA R1	0 ~ 255	EQα (RP/R1ch)
F28	RP EQA R2	0 ~ 255	EQα (RP/R2ch)
F29	RP EQB R1	0 ~ 255	EQβ (RP/R1ch)
F30	RP EQB R2	0 ~ 255	EQβ (RP/R2ch)

F31	RP PLLSLICER	0 ~ 255	Slice level (RP/Rch)
F32	RP PLLPHASER	0 ~ 255	Clock phase (RP/Rch)
F33	RP PHASE R1	0 ~ 255	Playback group delay compensation (RP/R1ch)
F34	RP PHASE R2	0 ~ 255	Playback group delay compensation (RP/R2ch)
F35	VITERBI	AUTO	Settings in VITERBI mode
		ON	
		OFF	
F36	A/2 R	0 ~ 31	A/2 Value (RP/Rch)
F37	CLOCKNO R	0 ~ 63	Clock number (RP/Rch)
F38	RP PLLSLICER	0 ~ 255	Slice level (RP/Rch)
F39	VITERBI	AUTO	Settings in VITERBI mode
		ON	
		OFF	
F40	DEFAULT	——	Pressing SET key at DEFAULT menu displays END, LOAD and SAVE.
F40	DEFAULT END	——	Abort the current procedure.
F40	DEFAULT SAVE	——	Save the factory adjustments.
F40	DEFAULT LOAD	——	Set the adjustments to the factory settings.

1-7. RF/25M REC

Parameter		Default Value	Settings and Brief Functional Description
No.	Display		
G01	REC CURR L1	0 ~ 255	Recording current (L1ch)
G02	REC CURR L2	0 ~ 255	Recording current (L2ch)
G03	REC FREQ L1	0 ~ 255	Recording freq. response (L1ch)
G04	REC FREQ L2	0 ~ 255	Recording freq. response (L2ch)
G05	REC CURR R1	0 ~ 255	Recording current (R1ch)
G06	REC CURR R2	0 ~ 255	Recording current (R2ch)
G07	REC FREQ R1	0 ~ 255	Recording freq. response (R1ch)
G08	REC FREQ R2	0 ~ 255	Recording freq. response (R2ch)
G09	DEFAULT	——	Pressing SET key at DEFAULT menu displays END, LOAD and SAVE.
G09	DEFAULT END	——	Abort the current procedure.
G09	DEFAULT SAVE	——	Save the factory adjustments.
G09	DEFAULT LOAD	——	Set the adjustments to the factory settings.

1-8. VIDEO ADJUST

FORMAT : 25M, VITERBI : AUTO, TRACKING MODE : ATF, CONCEAL : ON, ECC : ON

Parameter		Default Value	Settings and Brief Functional Description
No.	Display		
H01	PR BAL	-128 ~ 127	Set video output PR balance.
H02	PB BAL	-128 ~ 127	Set video output PB balance.
H03	BLC DC	-128 ~ 127	Set playback CPS blanking level.
H04	SET UP OFST	-128 ~ 127	Set setup offset.
H05	V LEV OFST	-128 ~ 127	Set video output level.
H06	C LEV OFST	-128 ~ 127	Set playback chroma level.
H07	C DELAY	-128 ~ 127	Set playback chroma delay.
H08	HUE OFST	-128 ~ 127	Set video output HUE offset.
H09	CPN BLK DC	-128 ~ 127	Set playback component blanking level.
H10	REC PR BAL	-128 ~ 127	Set record PR balance.
H11	REC PB BAL	-128 ~ 127	Set record PB balance.
H12	Y CLAMP DC	-128 ~ 127	Set record Y clamp level.
H13	CPS Y LEV	-128 ~ 127	Set record composite level.
H14	CPS C LEV	-128 ~ 127	Set record composite chroma level.
H15	AXIS	-128 ~ 127	Set record composite chroma phase.
H16	SET UP ADD	-128 ~ 127	Set video output setup level.
H17	V LEV ADD	-128 ~ 127	Set video output level with setup.
H18	Y CLAMP CUT	-128 ~ 127	Set record Y level without setup.
H19	C LEVEL CUT	-128 ~ 127	Set record chroma level without setup.
H20	CPS LEV CUT	-128 ~ 127	Set record Y level without setup.
H21	V SETUP	OFF ON	Turn on/off setup menu option VIN SETUP/VOUT SETUP. (NTSC system only. Except Japanese version.)
H22	DEFAULT	-----	Pressing SET key at DEFAULT menu displays END, LOAD and SAVE.
H22	DEFAULT END	-----	Abort the current procedure.
H22	DEFAULT SAVE	-----	Save the factory adjustments.
H22	DEFAULT LOAD	-----	Set the adjustments to the factory settings.

1-9. SYSTEM ADJUST

Parameter		Default Value	Settings and Brief Functional Description
No.	Display		
I00	DOLBY NR	ON	Set DOLBY NR.
		OFF	
I01	UNDERCUT ADJ	0 ~ 7	Adjust battery undercut voltage.
	FINE	0 ~ 255	
I02	S PHOTO	0.0V ~ 3.3V	Display S PHOTO voltage.
	T PHOTO	0.0V ~ 3.3V	Display T PHOTO voltage.
I03	AUD VCO CHK	OFF	Select audio sampling frequency adjusting mode.
		48K	
		44K	
		32K	
I04	REC DATA SEL	NORMAL	Set the format of record RF frequency.
		50CW	
		50CW/4	
		25CW	
		25CW/4	
I05	TRACKING MOD	ATF	Set the servo to the selected format - forced playback. (Only ATF or CTL25R is selectable.)
		CTL50P	
		CTL50R	
		CTL25P	
		CTL25R	
		ATF50P	
		ATF50R	
I06	TRACKING VAL	-128 ~ 127	Set tracking value of CTL tracking mode.
I07	ENDLESS STOP	DISABL	Set STILL TIMER to infinite time. (Do not use.)
		ENABLE	
I08	MID M CAS	-----	Check operation of carriage reel base. → The carriage reel base moves. Press the SET key → EJECT state.
I09	SYSTEM TYPE	TYPE 1	Set operation mode when 9P is connected. 00000: Normal mode. 00001: Japan Broadcast mode.
		TYPE 2	

2. Display of Accumulative Time and Software Version

2-1. DIAG MENU

<1> Holding the EJECT button on the Front Panel, set the LOCAL/MENU/REMOTE switch to MENU.

<2> Press the REW (PAGE) button and FF (UP) button simultaneously to toggle between displays.

HOUR METER Display ⟷ VERSION Display (software)

(VIDEO MONI OUT)

```
DIAG-MENU                 HOURS METER
 Ser   (SERIAL No.)
 H01   DRUM RUN                00000H
 H02   TAPE RUN                00000H
 H03   THREADING               00000T
 H11   DRUM RUN r              00000H
 H12   TAPE RUN r              00000H
 H13   THREADING r             00000T
 END
```

```
DIAG-MENU                 VERSION
< NTSC >
 FRONT          1.**-**
 IF             1.**-**-*.**
 AV-SYSCON      1.**-**-*.**
 DV             1.**-**-*.**
 CYLINDER       1.**-**-*.**
 REEL           1.**-**-*.**
 END
```

(Front Panel Display)

HOURS Meter Display

H0 00 ** **: when OPERATION is selected

H0 10 ** **: when DRUM RUN is selected

H0 20 ** **: when TAPE RUN is selected

H0 30 ** **: when THREADING is selected

H1 10 ** **: when DRUM RUN r is selected

H2 20 ** **: when TAPE RUN r is selected

H1 30 ** **: when THREADING r is selected

Software Version Display

Fr: Front Microcomputer

IF: IF Microcomputer

AV: AVSYS Microcomputer

Dv: DV Microcomputer

Cy: CYLINDER Microcomputer

Rl: REEL Microcomputer

3. Menu Option Selection

<1> Set SW802 BIT2 of AVSYS P.C.Board to ON.

<2> Set LOCAL/MENU/REMOTE switch on the Front Panel to MENU.

<3> Main Menu Operation:

- STOP (DOWN) button: moves up the asterisk on the Menu Screen.
- FF (UP) button: moves down the asterisk on the Menu Screen.
- SEARCH (MODE) button: shift to sub Menu.

(Note) When REC INHIBIT switch on the Front Panel is set at OFF, the menu operation is enabled. If ON, VTR operation is enabled.

<4> Sub Menu Operation:

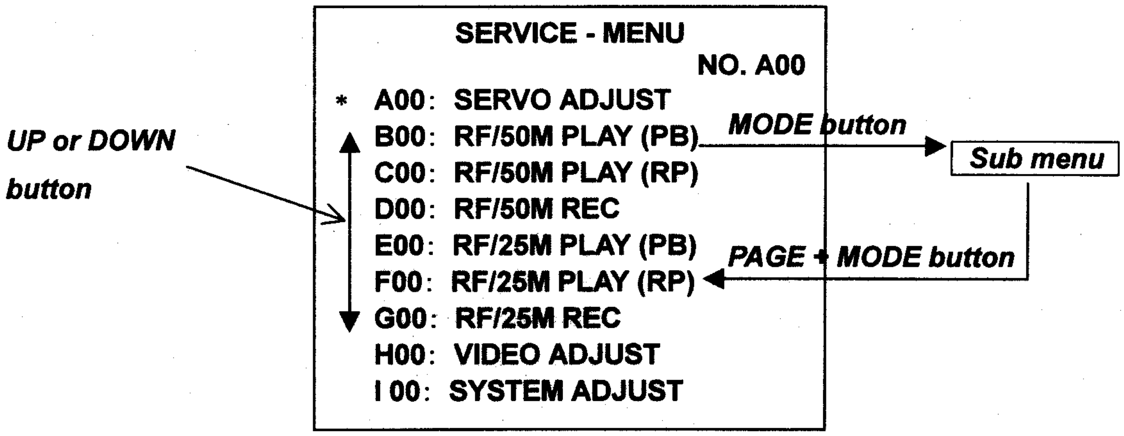
- STOP (DOWN) button: moves up the asterisk on the menu screen.
- FF (UP) button: moves down the asterisk on the menu screen.
- REW (PAGE) + STOP (DOWN) buttons: moves the asterisk to the previous page.
- REW (PAGE) + FF (UP) buttons: moves the asterisk to the next page.
- REW (PAGE) + SEARCH (MODE) buttons: returns back to the main menu.
- RLAY (-) or PAUSE (+) button: changes data or setting.

<5> Data Fix Method:

- A00 SERVO ADJUST: Always fix a data.
- B00 RF/50M PLAY to -H00 VIDEO ADJUST: Fix a data by executing DEFAULT SAVE.
- I00 SYSTEM ADJUST: Fix a data by pressing REC (SET) button.

<6> Close the menu:

Set LOCAL/MENU/REMOTE switch on the Front Panel to LOCAL or REMOTE.



SERVICE - MENU
NO. A00
* A00: SERVO ADJUST
B00: RF/50M PLAY (PB)
C00: RF/50M PLAY (RP)
D00: RF/50M REC
E00: RF/25M PLAY (PB)
F00: RF/25M PLAY (RP)
G00: RF/25M REC
H00: VIDEO ADJUST
I 00: SYSTEM ADJUST

4. Error Rate Display

The Audio Meter on the Front Panel displays the Error Rate.

(Service Menu Mode → AVSYS P.C.Board SW802-2 is ON)

- The Audio Meter always displays the Error Rate.

(Normal Mode → Service Menu not use)

- With REC INHIBIT switch is ON: pressing the SEARCH (MODE) button and INPUT_SELECT button simultaneously to enables the Audio Meter to show the Error Rate.
- Pressing the RESET button disables Error Rate Display.

Selection of Display Mode

Mode	CH1 Display	CH2 Display	Display Tube
Video L1 / L2	Off	Off	Video L
Video R1 / R2	On	On	Video R
Audio L1 / L2	On	Off	Audio L
Audio R1 / R2	Off	On	Audio R
• COUNTER button scrolls the modes. • The Display Tube indicates the new mode only for approx. 3 seconds.			

5. Flash ROM Version Up

The AJ-D95DC contains two Flash ROMs. When it is necessary to upgrade these ROMs, take the following steps.

<Tools Required>

Flash ROM Version Up software	: VSI2312A
Flash ROM writer	: VFK1304

5-1. Rewriting AVSYS ROM

<1> Confirm that the power to the AJ-D95DC is OFF. Open the Top Cover.

<2> Start the Flash ROM Version Up Software (VSI2312A) on the PC.

<3> Connect the serial port of the PC to the Flash ROM writer tool through 9-pin Cross (reverse) Cable. Connect the flat cable from the Flash ROM writer tool to P61203 of the AVSYS P.C.Board.(see page SVC-15)

<4> Set DIP SW1 Bit 1 and 2 of the Flash ROM writer tool to ON and then turn ON the AJ-D95DC.

<5> Set the writing software (Setup Panel) as shown below :

TARGET MACHINE ID CHECK: ● ON K1
TARGET FILE NAME:
(Click Browse... button to locate the updated data file VSI****.mot.)
Port: COM1(or 9-pin connection port in use) Baud Rate: 56000
Stop Bit: 1Bit Byte Size: 8Bit Parity: NONE
Main Panel: place a mark in the checkbox.

<6> Upon setting the Setup Panel, click the OK button to display the Main Panel. Click the Start button to start writing.

<7> Upon completion of writing, turn OFF the AJ-D95DC and disconnect the flat cable.

5-2. Rewriting IF ROM

<1> Verify that the power to the AJ-D95DC is OFF. Open the Top Cover.

<2> Start the Flash ROM Version Up software (VSI2312A) on the PC.

<3> Connect the serial port of the PC to the flash ROM writer tool through 9-conductor cross (reverse) cable. Connect the flat cable from the Flash ROM writer tool to P61203 of the AVSYS P.C.Board.(see next page)

<4> Set DIP SW1 Bit 1,2 and 3 of the Flash ROM writer tool to ON and then turn ON the AJ-D95DC.

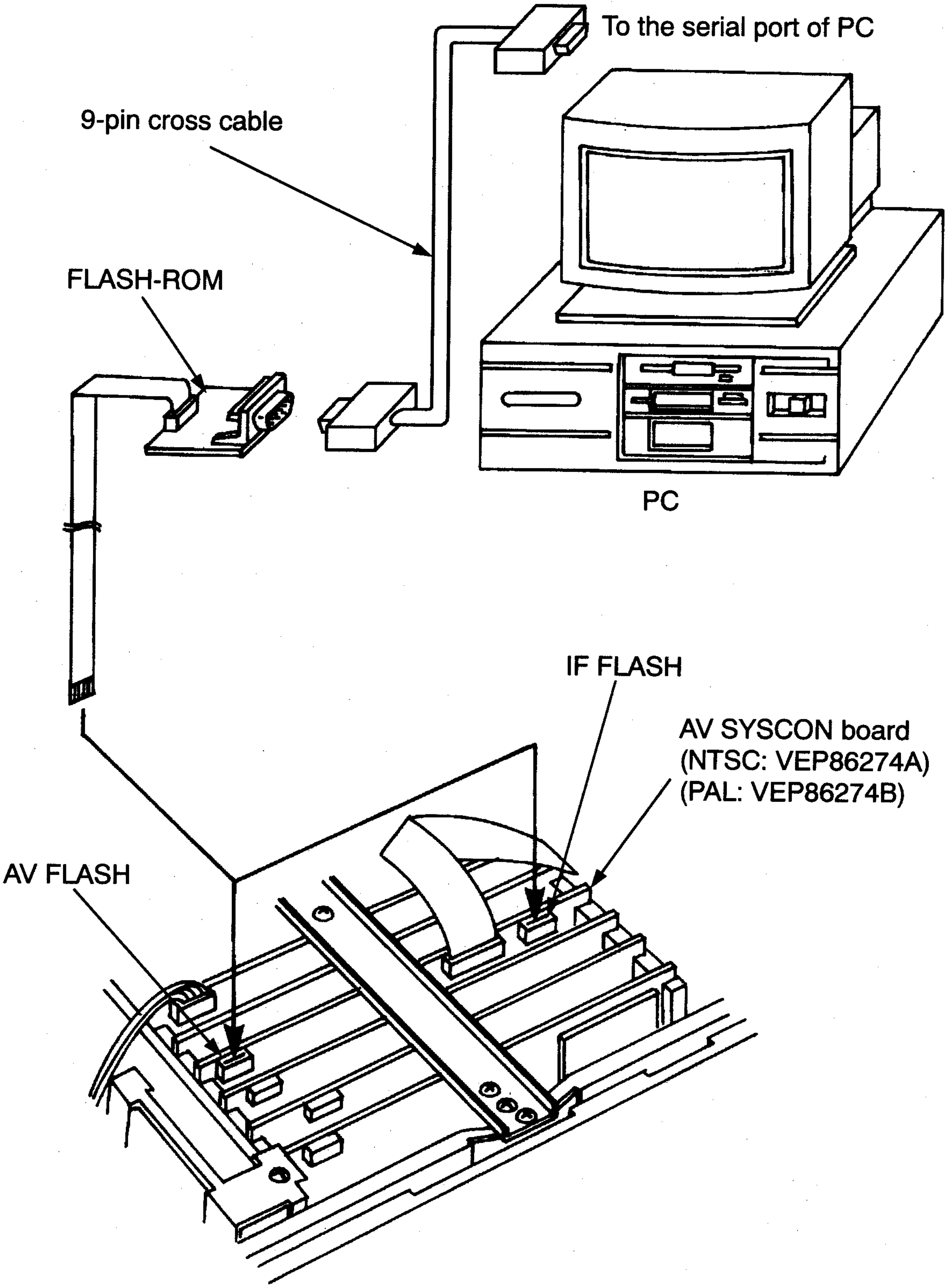
<5> Set the writing software (Setup Panel) as shown below :

TARGET MACHINE ID CHECK: ● ON K1IF
TARGET FILE NAME:
(Click Browse... button to locate the updated data file VSI****.mot.)
Port: COM1(or 9-pin connection port in use) Baud Rate: 38400
Stop Bit: 1Bit Byte Size: 8Bit Parity: NONE
Main Panel: place a mark in the checkbox.

<6> Upon setting the Setup Panel, click the OK button to display the Main Panel. Click the Start button to start writing.

<7> Upon completion of writing, turn OFF the AJ-D95DC and disconnect the flat cable.

Connecting Flash ROM Version Up


To the serial port of PC
9-pin cross cable
FLASH-ROM
PC
IF FLASH
AV SYSCON board
(NTSC: VEP86274A)
(PAL: VEP86274B)
AV FLASH

6. Initializing of the Hour Meter

Switch Setting

Set the SW60802 on the AV SYS P.C.Board as shown below.

DIP 1 : OFF DIP 2 : ON DIP 3 : OFF DIP 4 : OFF

Front Switch Setting

Set the "LOCAL/MENU/REMOTE" switch to "LOCAL", and turn OFF the REC INHIBIT switch.

Initializing

1) Holding the EJECT button on the Front Panel, set the LOCAL/MENU/REMOTE switch to MENU.
2) Holding the REW and REC buttons and, press the RESET button simultaneously.
3) Press the STOP button, and then start the initializing the following items.
    - **THREADING**
    - **DRUM RUN**
    - **TAPE RUN**
    - **THREADING r**
    - **DRUM RUN r**
    - **TAPE RUN r**
    - **USER MENU**
    - **USER DEFAULT MENU**
4) After initializing, turn OFF the all DIP Switches of the SW60802 on the AV SYS P.C.Board.

NOTE : When the DIP2 is OFF on the AV SYS P.C.Board, you can open the DIAG MENU. But it is not able to initializing the HOUR METER.

SECTION 2

MAINTENANCE
&
DISASSEMBLY PROCEDURES

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1.Maintenance

1-1. Maintenance Parts Chart

No.	NAME	Part Number	Part Using Hours (Unit Hours)					
			2,000	4,000	6,000	8,000	10,000	12,000
1	Cylinder Unit	VEG1502	●	●	●	●	●	◎
2	Cleaning Arm Unit	VXL2924	●▲	●▲	●▲	●▲	●▲	◎
3	Pinch Arm Unit	VXL2835	●	●	●	●	●	◎
4	S Reel Motor Unit	VEM0686		●		●		◎
5	T Reel Motor Unit	VEM0687		●		●		◎
6	Thrust Screw Unit	VXQ0556		●		●		◎
7	S Loading Arm Unit	VXL2812			●			◎
8	T1 Boat UA	VXA6379			●			◎
9	S Post Base UA	VXA6052			●			◎
10	Tension Arm S Unit	VXL2832			●			◎
11	Slot-in Unit	VXA6596						◎
12	Mech. Chassis Unit	VXY1432Z1						●
13	Fan Motor	VRF0216	Replace the Fan Motor at each 10,000 hours *Operation Time*					

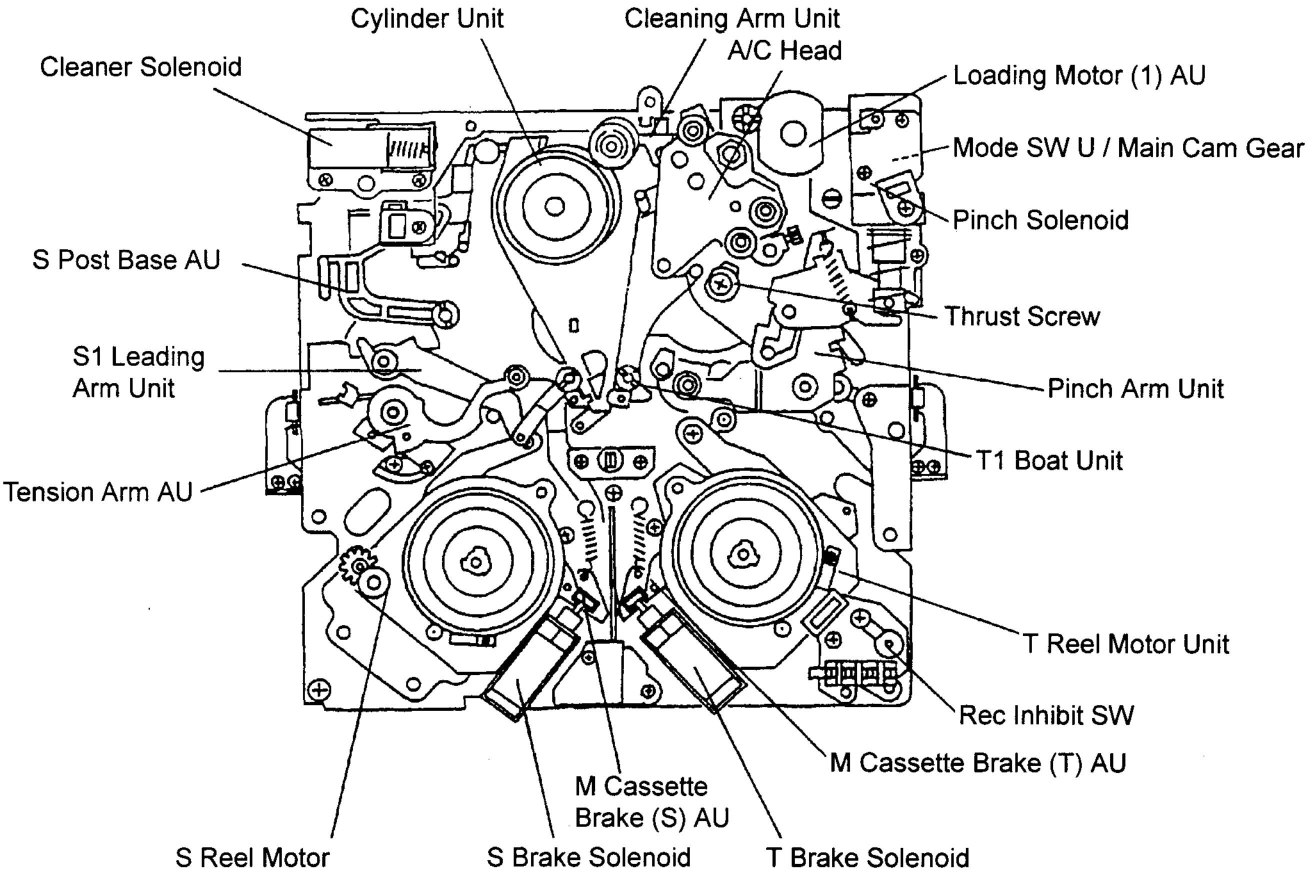
Note: Using hours are based on the head rotation hours.

Using hours are recommendation. If may depended on temperature, humidity or dusty.

Using hours are listed as the reference of maintenance. They do not mean guarantee Hours.

Symbol	Maintenance	Remark
●	Replacement	
◎	Replacement	These parts are included in Mech Chassis Unit.
▲	Lubrication	The lubrication is necessary.

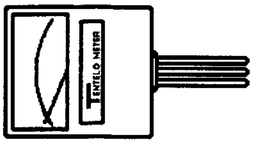
1-2. Parts Location


Cylinder Unit
Cleaning Arm Unit
A/C Head
Cleaner Solenoid
Loading Motor (1) AU
Mode SW U / Main Cam Gear
Pinch Solenoid
S Post Base AU
Thrust Screw
S1 Leading
Arm Unit
Pinch Arm Unit
T1 Boat Unit
Tension Arm AU
T Reel Motor Unit
Rec Inhibit SW
M Cassette Brake (T) AU
M Cassette
Brake (S) AU
S Reel Motor
S Brake Solenoid
T Brake Solenoid

1-3. Service Fixtures & Tools

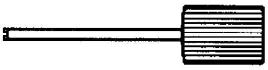
No.	Part No.	Name	Remark
1	VFK1145	Back Tension Meter (T2-M30-P)	
2	VFK1149	Post Driver	
3	VFK71	Dial Torque Gauge (150g)	
4	VFK1191	Dial Torque Gauge (45g)	
5	VFK1152	Dial Torque Gauge Adapter	
6	VFK0357	Eccentric Screwdriver (1.5)	
7	VFK1154	Post Height Fixture	
8	VFK1153	Mech. Neutral Plate (Post)	
9	VFK1423	Tape Det Sensor Cassette	
10	VFK1155	REV Position Tool (Silver Color)	
11	VFK1156	PLAY Position Tool (Black Color)	
12	VFK1208	Neutral Position Tool (Black with hole)	
13	VFK1150	Nut Driver (5.5mm)	
14	VFK1151	Nut Driver (2.5mm)	
15	VFK1188	Dial Tension Gauge (30g)	
16	VFK0948	Check Light	
17	VFK0749	Froiral Grease (White :for plastic part)	
18	M0R265	Morlytone Grease (Black :for metal part)	
19	VFK1146	Philips Driver (00-75)	
20	VFK1147	Philips Driver (00-100)	
21	VFK1148	Hex. Driver (1.5mm)	
22	VFK1178	Hex. Driver (0.89mm)	
23	VFK1179	Hex. Driver (0.71mm)	
24	VFK1190	Hex. Wrench (1.5mm)	
25	VFK1209	Torque Driver (0.4-3.0kg)	
26	VFK0912	Torque Driver Adapter (1.5mm)	
27	VFK1300	A/D Converter Board (DAQ-12 Quatech)	
28	VFM3580KM or L	DVCPRO Alignment Tape (No.1)	for NTSC
29	VFM3581KM or L	DVCPRO Alignment Tape (No.2)	for NTSC
30	VFM3582KM or L	DVCPRO Alignment Tape (No.3)	for NTSC
31	VFM3583KM	RF Alignment Tape	***NEW! For NTSC***
32	VFM3680KM or L	DVCPRO Alignment Tape (No.1)	for PAL
33	VFM3681KM or L	DVCPRO Alignment Tape (No.2)	for PAL
34	VFM3682KM or L	DVCPRO Alignment Tape (No.3)	for PAL
35	VFM3683KM	RF Alignment Tape	***NEW! For PAL***
36	AJ-CL12MP	Cleaning Tape	Sales Route
37	VFK1481	LISTA Software	***NEW!***
38	VFK1186	LISTA Cable	
39	VFK1357	Extension Board (1)	
40	VFK1498	Extension Board (2)	***NEW!*** (REC PB, V IN)
41	VFK0369	Tweezers	
42	VFK0371	Radio Prier	
43	VFK0372	Cutter Prier	
44	VFK0338	Trimmer Adjustment Driver	
45	VFK0337	Philips Driver	
46	VFK0906	High Quality Oil	
47	VFK1494	RF Adjustment Software	***NEW!***
48	VFK1304	Flash Memory Version Up Tool (including Flexible Wire : VWJ20E5500LO)	
49	VFK1248A	Flash Memory Version Up Software	

1 VFK1145
Back Tension Meter

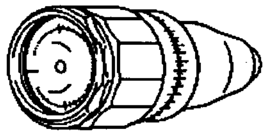


MODEL:T2-M30-P

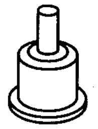
2 VFK1149
Post Driver



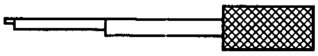
3 VFK71 (150g)
4 VFK1191 (45g)
Dial Torque Gauge



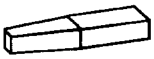
5 VFK1152
Torque Gauge Adapter



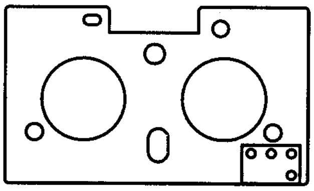
6 VFK0357 (ϕ1.5)
Eccentric Driver



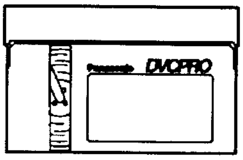
7 VFK1154
Post Height Fixture



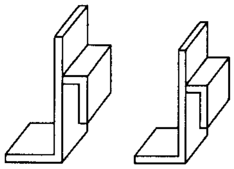
8 VFK1153
Mech. Neutral Plate
(for Post Height)



9 VFK1423
Tape Sensor Cassette
(M Cassette)

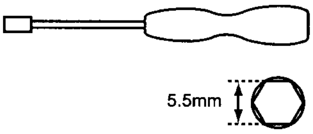


10 VFK1155 (REV, Silver)
11 VFK1156 (PLAY, Black)
12 VFK1208 (NEUTRAL)
(Black with hole)

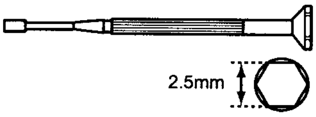


(Gold) (Black)

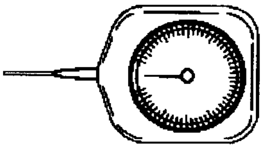
13 VFK1150
Nut Driver (5.5mm)



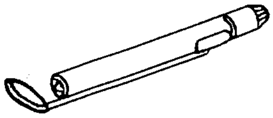
14 VFK1151
Nut Driver (2.5mm)



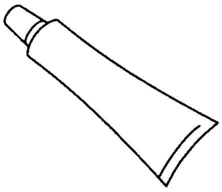
15 VFK1188 (30g)
Dial Tension Gauge



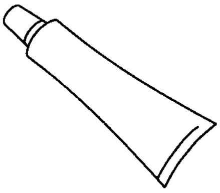
16 VFK0948A
Check Light



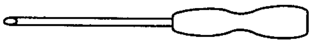
17 VFK0749
Froiral Grease (White)
(for Plastic Parts)



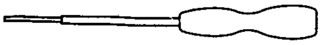
18 MOR265
Morlytone Grease (Black)
(for Metal Parts)



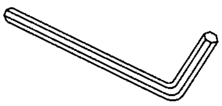
19 VFK1146 (00×75)
20 VFK1147 (00×100)
Phillips Driver



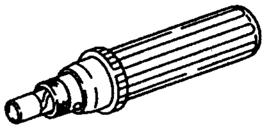
21 VFK1148 (1.5mm)
22 VFK1178 (0.89mm)
23 VFK1179 (0.71mm)
Hex. Driver



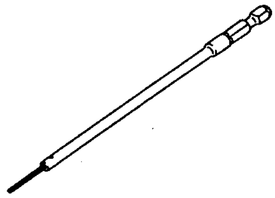
24 VFK1190 (1.5mm)
Hex. Wrench

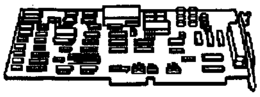
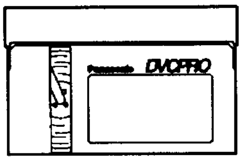
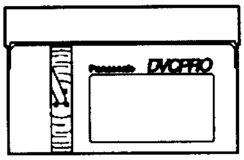
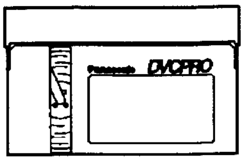
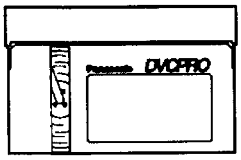
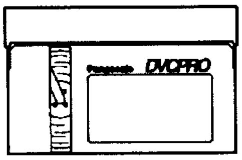
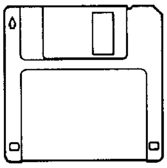
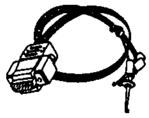
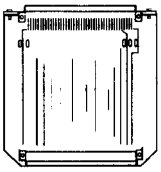
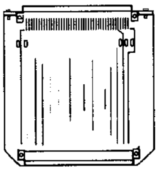
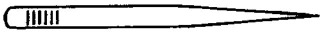
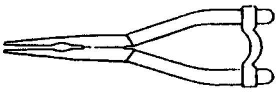
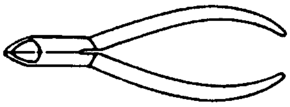
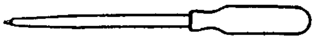
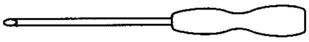
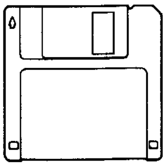
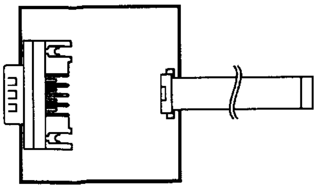
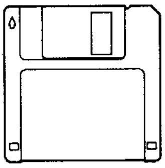


25 VFK1209
Torque Driver
(0.4∼3.0kgf/cm)



26 VFK0912 or VFK1375
Post Axis Driver
(1.5mm)



27 VFK1300 A/D Converter Board (Quatech DAQ-12) 	28 VFM3580KM or KL 29 VFM3581KM or KL 30 VFM3582KM orKL DVCPRO Alignment Tape (for NTSC) 	31 VFM3583KM RF Alignment Tape 	32 VFM3680KM or KL 33 VFM3681KM or KL 34 VFM3682KM orKL DVCPRO Alignment Tape (for PAL) 
35 VFM3683KM (for PAL) VFM3583KM (for NTSC) RF Alignment Tape 	36 AJ-CL12MP Cleaning Tape 	37 VFK1481 LISTA Software 38 VFK1186 LISTA Cable 	39 VFK1357 Extension Board (1) 
40 VFK1498 Extension Board (2) 	41 VFK0369 Tweezers 	42 VFK0371 Radio Prier 	43 VFK0372 Cutter Prier 
44 VFK0338 Trimmer Adjustment Driver 	45 VFK0377 Phillips Driver 	46 VFK0906 High Quality Oil (for Thust Screw) 	47 VFK1494 RF Adjustment Software 
48 VFK1304 Flush ROM Version Up Tool 	49 VFK1248A Flush ROM Version Up Software 		

1-4. Alignment Tapes

DCVPRO Alignment Tape

VFM3580KM (NTSC)

Time	Video		PCM		CUE	
(min)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color Bar SMPTE(75%)	Composite Video Level Confirmation	1KHz -20dB	Audio Level Confirmation	1KHz 0VU	CUE level Confirmation
7:00	Color Bar Full Field(75%)	Component Video Level Confirmation				
14:00	H Sweep	Frequency Response			6KHz 0VU	A/C Head Azimuth
18:00	Bowtie (500M)	Y/C Timing				
22:00	Pulse&Bar	Y/C Timing			-10dB, 1KHz 50Hz~15KHz	Frequency Response
26:00 30:00	Area Markers					

VFM3581KM (NTSC)

Time(min)	Signal
0:00~20:00	ITI Pattern

VFM3582KM (NTSC)

Time(min)	Signal
0:00~10:00	X Value

VFM3680KM (PAL)

Time	Video		PCM		CUE	
(min)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color Bar 100%	Video Level Confirmation	1KHz -18dB	Audio Level Confirmation	1KHz Reference level	CUE level Confirmation
10:00	H Sweep	Frequency Response				
14:00	Area Markers				6KHz Reference level	A/C Head Azimuth
18:00	Bowtie (500K)	Y/C Timing				
22:00	Pulse&Bar	Y/C Timing			1KHz 300H~6KHz	Frequency Response
26:00 30:00	Multi Pulse	Y/C Timing				

VFM3681KM (PAL)

Time(min)	Signal
0:00~20:00	ITI Pattern

VFM3682KM (PAL)

Time(min)	Signal
0:00~10:00	X Value

1-5. Recommended Test And Service Equipment

NTSC

Part No.	Name	Remark
TSG130A(OP.04)	Analog component Signal Generator	TEKTRONIX
	Oscilloscope	
1750.1760(OP.SC) or 1780R	WFM Monitor	TEKTRONIX
	Digital Volt Meter	
	Frequency Counter	
	VTVM	Frequency Band Width 4Hz-500KHz
	Audio Analyzer	

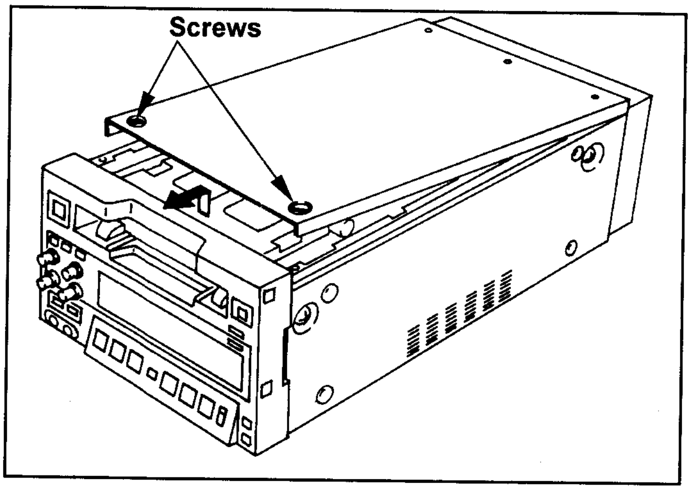
PAL

Part No.	Name	Remark
TSG131A(OP.04)	Analog component Signal Generator	TEKTRONIX
	Oscilloscope	
1751.1761(OP.SC) or 1781R	WFM Monitor	TEKTRONIX
	Digital Volt Meter	
	Frequency Counter	
	VTVM	Frequency Band Width 4Hz-500KHz
	Audio Analyzer	

2. Disassembly Procedures

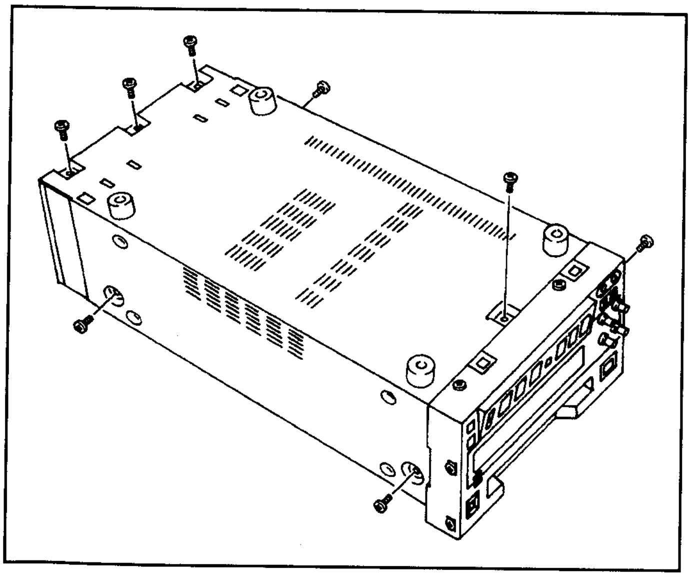
2-1. Removal of the Top Cover

1. Loose 2 screws on the Top Cover.
2. Slightly lift the top cover and slide it over the Front Panel.



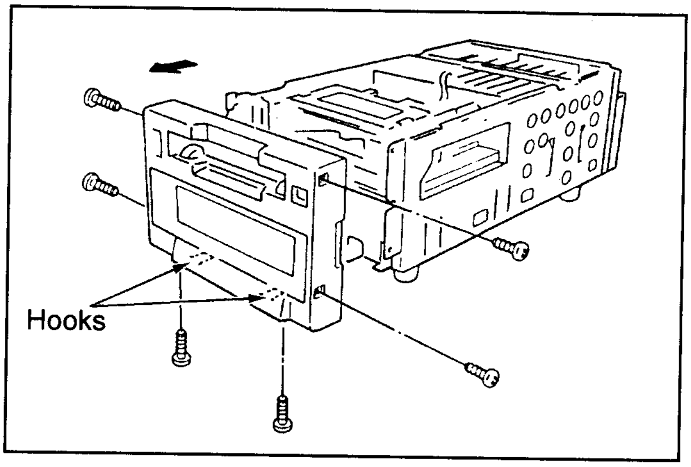
2-2. Removal of the Bottom Cover

1. Remove 2 screws from the left side and 2 screws from the right side.
2. Remove 4 screws from the bottom side and remove the Bottom Cover.



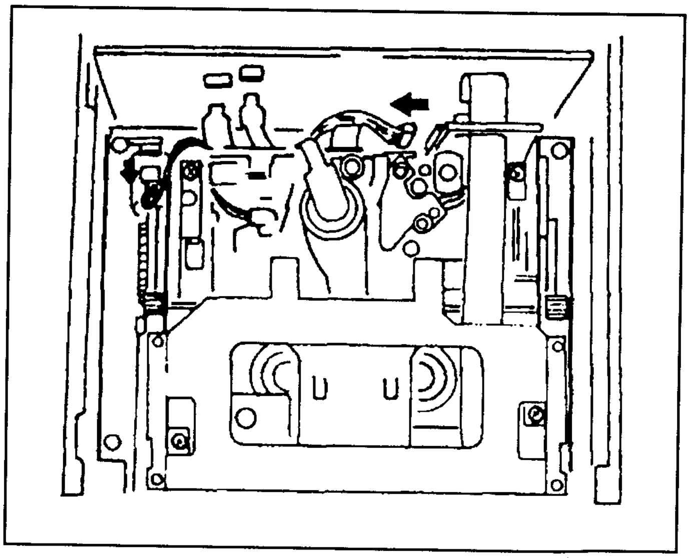
2-3. Removal of the Front Panel

1. Remove 2 screws from the left side of the Front Panel and then 2 screws from the right side.
2. Remove 2 screws from the bottom of the panel. Remove 2 hooks.
3. Slide the Front Panel toward you and disconnect the flat cable. Remove the panel.

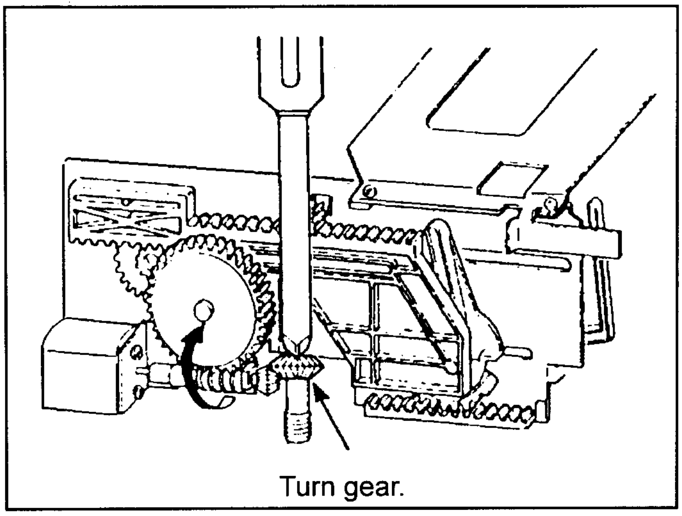


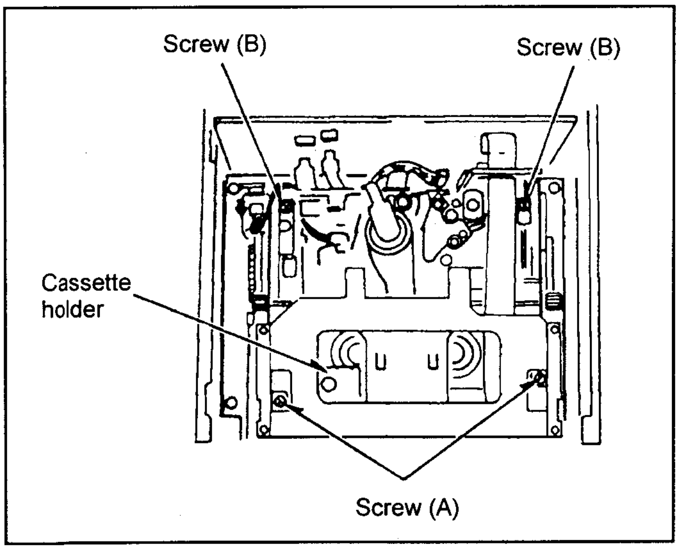
2-4. Removal of the Front Loading Unit

1. Disconnect a connector at the front loading motor part and the interconnection board.



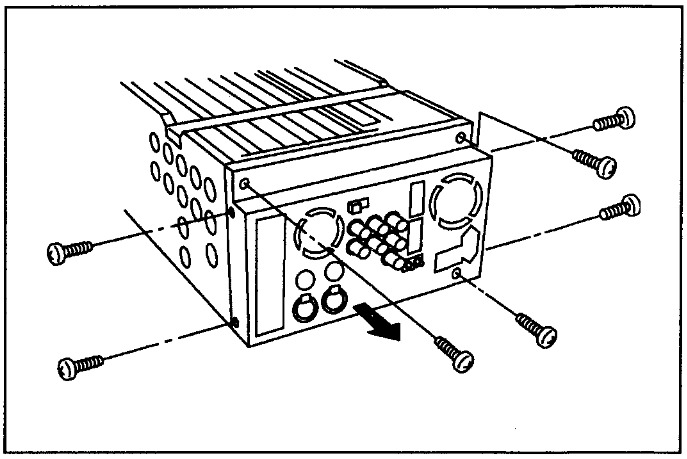
1. Using a Phillips Screwdriver, turn the red plastic screw engaged with the warm gear of the cassette down motor counterclockwise to move the cassette holder until 2 screws (A) are exposed.
2. Remove 2 screws (A) and 2 screws (B) securing the front loading unit to the chassis.





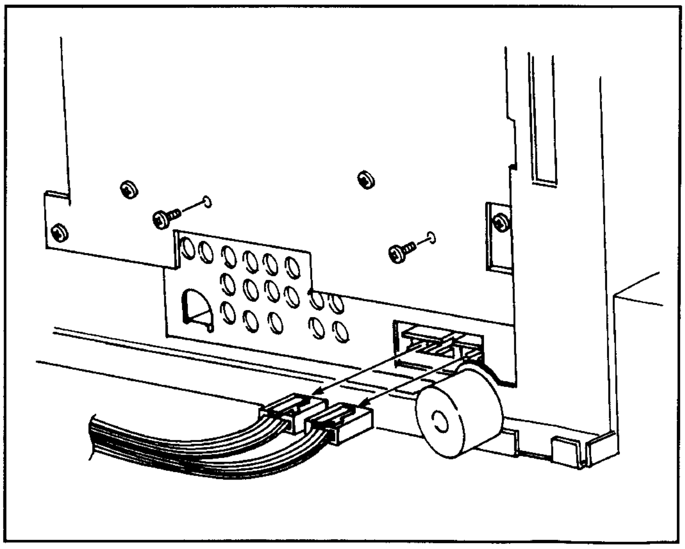
2-5. Removal of the Rear Jack Plate

1. Remove 7 screws securing the rear jack plate.
2. Slide the rear jack plate toward you and then disconnect 3 flat cables.

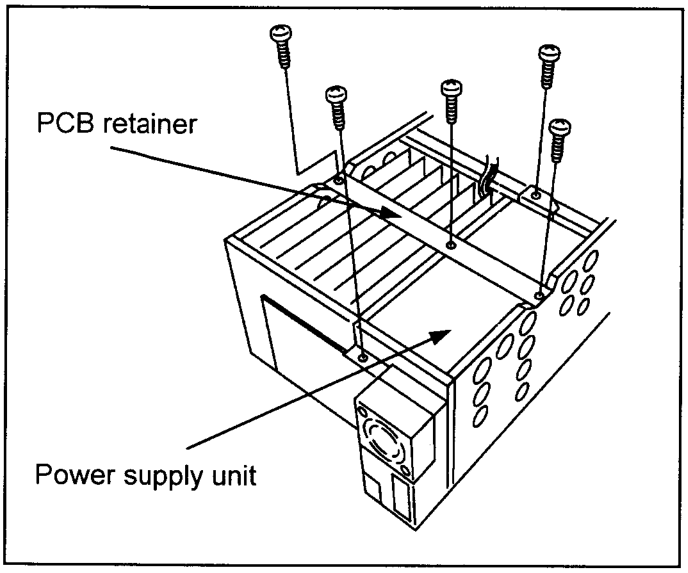


2-6. Removal of the Power Supply Unit

1. Disconnect 2 Power Supply Unit connectors from the back of the recorder.
2. Remove 2 screws from the MOTHER P.C.Board.

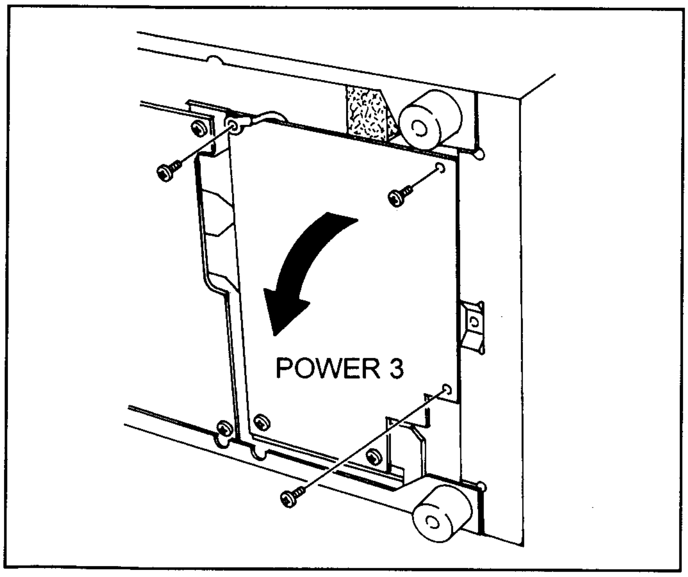


3. Remove 3 screws securing the PCB retainer and remove the retainer on the front side of the unit.
4. Remove 2 screws securing the Power Supply Unit and remove it.

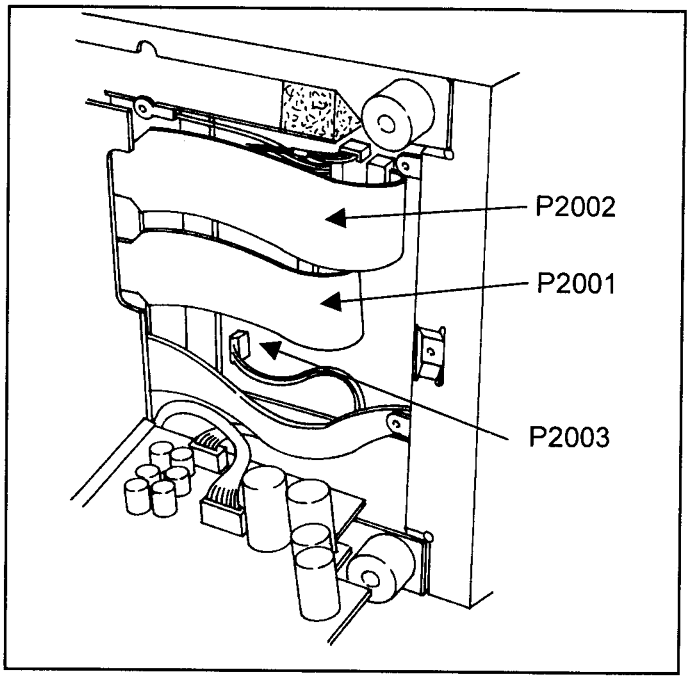

PCB retainer
Power supply unit

2-7. Removal of the Mechanical Unit

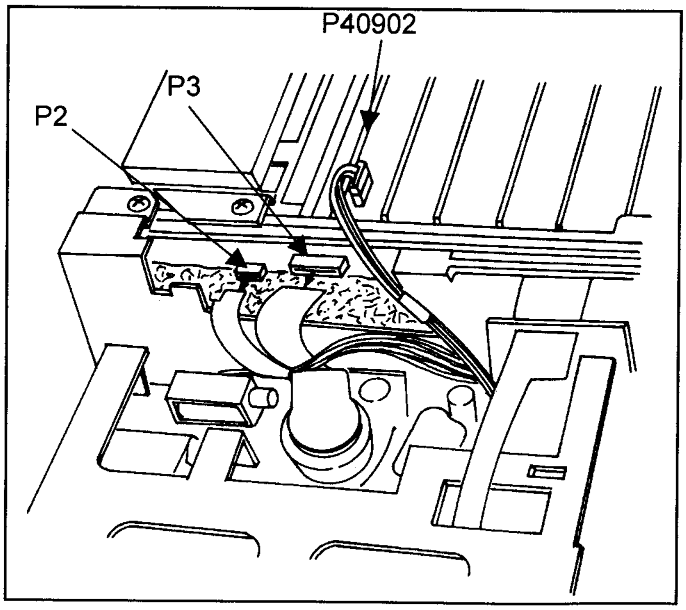
1. Remove 3 screws from the POWER 3 P.C.Board on the bottom side of the unit. Tilt the P.C.Board the P.C.Board toward you.



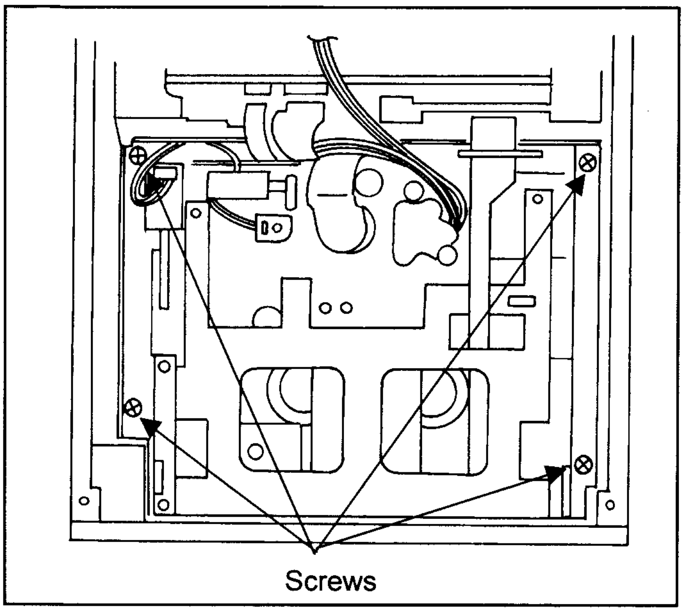
2. Disconnect flat cables P2001 and 2002 and connector P2003.


P2002
P2001
P2003

3. On the top of the unit, remove flat cables P2 and P3 (RF AMP board) and connector P40902 (AUDIO P.C.Board).

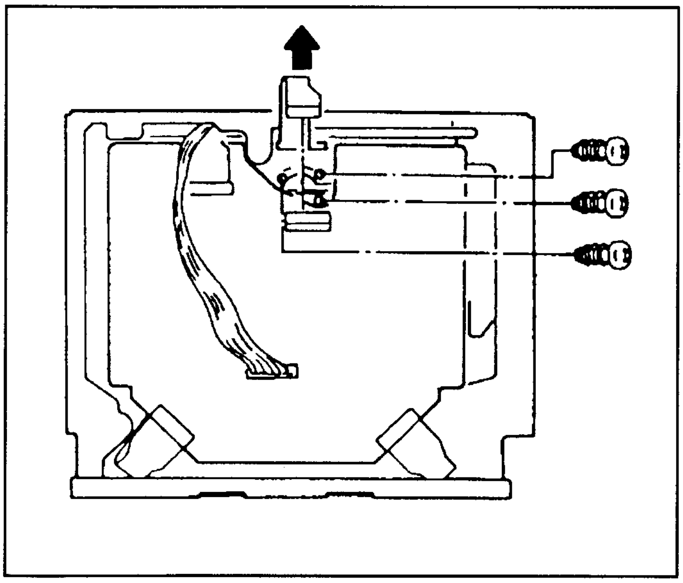

P40902
P3
P2

4. Remove 4 screws and then mechanical unit.

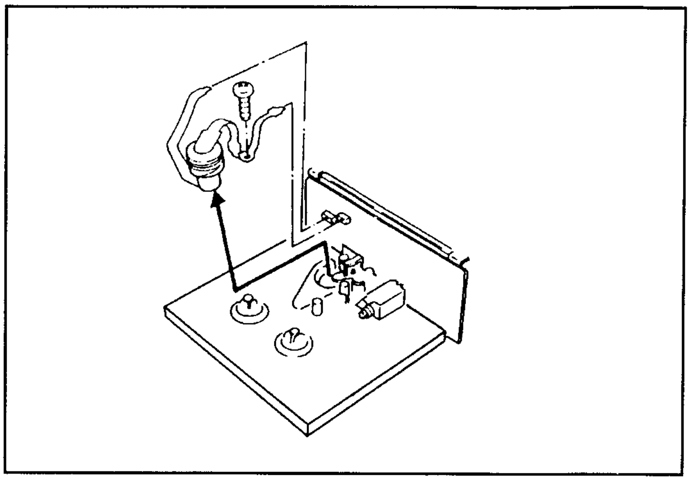


2-8. Removal of the Cylinder Unit

1. On the backside of the mechanical unit, disconnect the flexible cable connector from the SERVO P.C.Board. Remove 3 screws securing the cylinder unit.

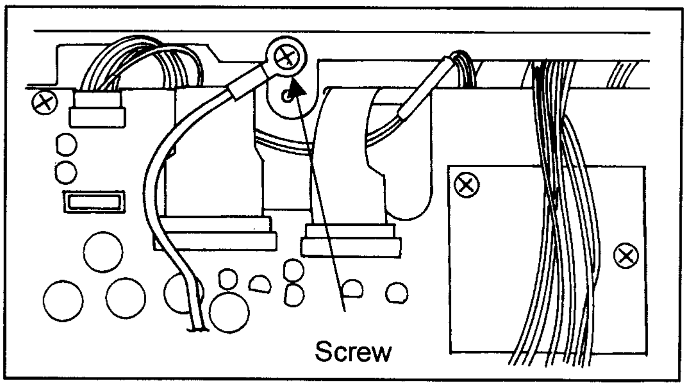


2. Remove the screw retaining the flexible cable. Remove the cylinder unit without touching it with adjacent components.

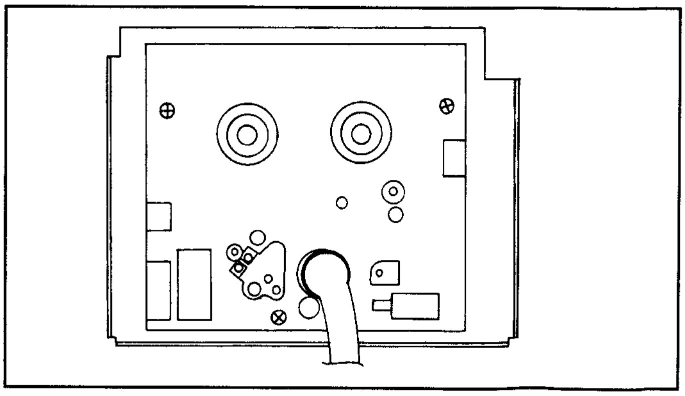


2-9. Replacing of the Mechanical Unit

1. Remove the screw shown below from the backside of the mechanical unit.



2. Remove 3 screws from the front side. Remove the frame from the mechanical unit. Attach the new mechanical unit in place.

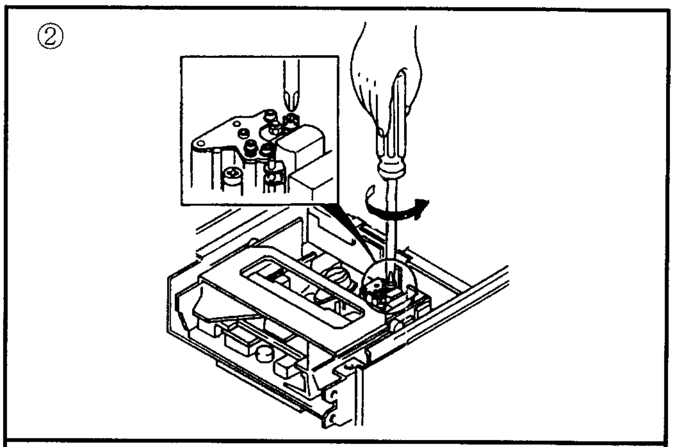


3. Install the mechanical unit on the deck, following the removal steps in reverse.

3. Manual Tape Eject

When a tape can not be ejected, because of Power failure or mechanical tape damage, remove the tape manually.

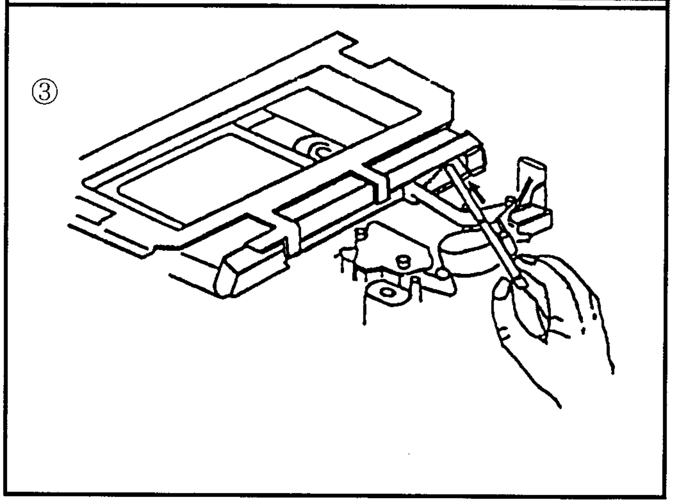
1. Turns power off and remove the top Case Unit.
2. Rotate the red plastic screw by a Phillips - head screwdriver counterclockwise pushing the screw. It needs to rotate about 30 times rotation until starting to move.



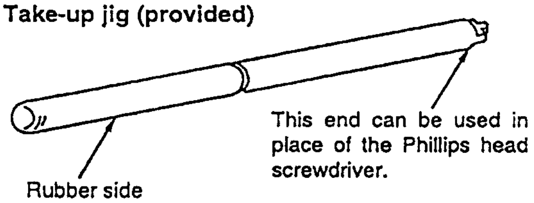
3. Since tape slack will develop when the post is unloaded, wind up the supply reel to take up the slack.

   How to take up the slack (see ③)

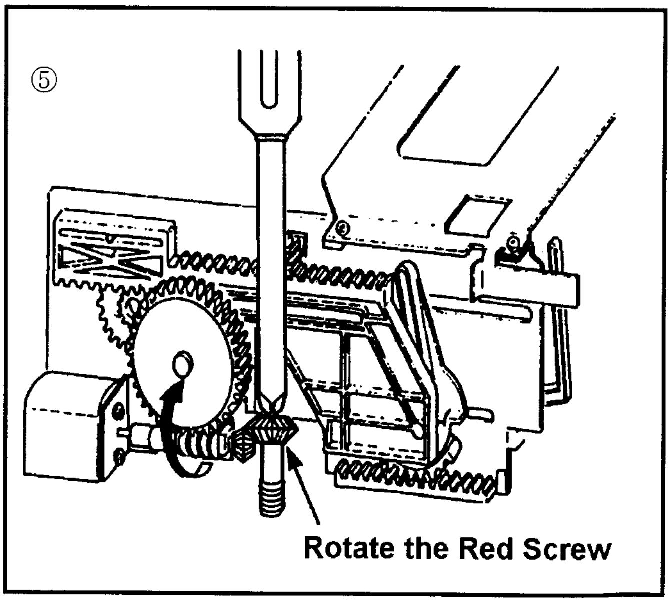
   a. Insert the rubber side of the take-up jig into the cassette tape withdrawal opening on the VTR's mechanism side.
   b. Turn the flange part of the supply reel in the direction of take-up to take up the tape slack. (Take care not to damage the tape in the process.)



Take-up jig (provided)


This end can be used in place of the Phillips head screwdriver.
Rubber side

4. Repeat item 2 and 3 until the tape in wound Completely inside of the cassette.
5. When the tape is completely inside of the cassette, rotate the red screw in front of the worm gear of the cassette down motor clockwise by a Philips-head screwdriver pusing the screw and remove the cassette cover does not bite the tape when the cover is closed.



Rotate the Red Screw

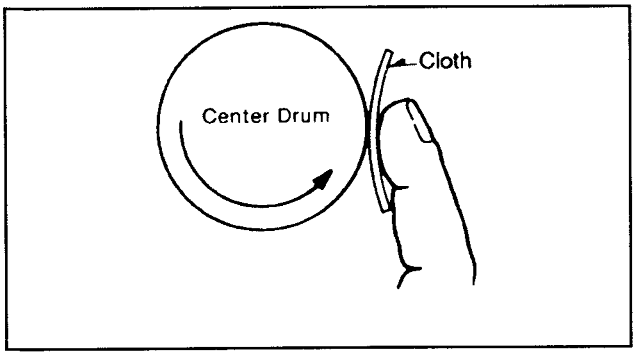
4. Cleaning Procedures

Note: Turns power off during cleaning.

Make sure the power is OFF before cleaning.
Use ethanol(more than 99% purity) as cleaning liquid.

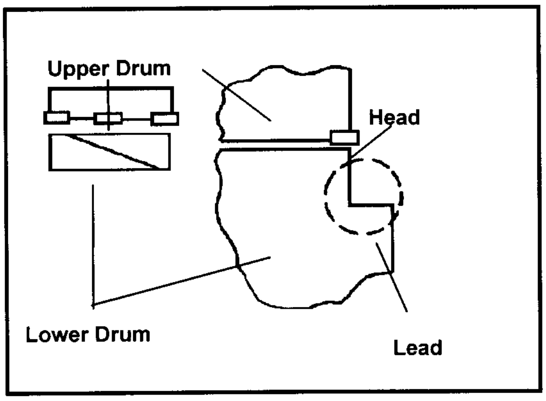
4-1 Cleaning of Head Chips: (Daily)

Clean heads by applying even pressure and rotating cylinder a few times. Never wipe in up and down motion. Never touch a cylinder by naked hand. First wipe with a cloth soaked by cleaning liquid. Then wipe with dry cloth.



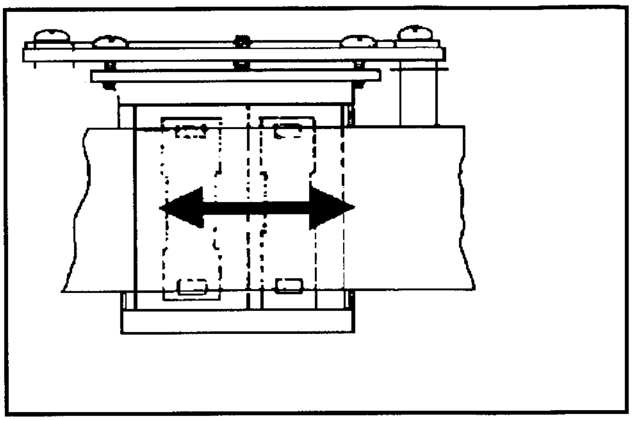
4-2. Cleaning of Drum Lead: (Weekly)

Be careful not to touch a head chip. Clean the drum lead with a pick.



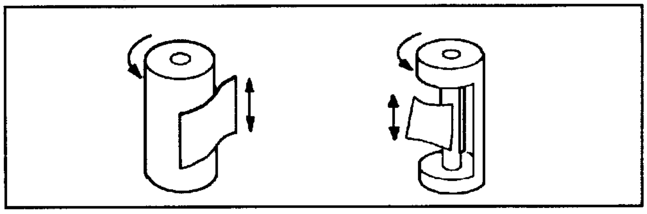
4-3. Cleaning of A/C Head: (Weekly)

Wipe the A/C head with a cloth soaked by cleaning liquid. Wipe again with a dry cloth.



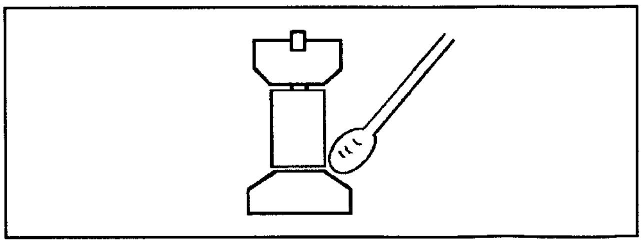
4-4. Cleaning of Pinch Roller and Capstan: (Weekly)

Wipe the Pinch Roller and Capstan with a cloth soaked by cleaning liquid.



4-5. Cleaning of Post :(Weekly)

Wind a cloth on a pick. Wipe each post dry with that pick . Wipe again with a dry cloth. For metal posts wipe with cleaning liquid. Then wipe dry again.



Note:

Use the clean cloth for cleaning purpose. Do not use any dirty cloth.

The Cleaning Cloth can be ordered as spare part. The part number indicated as below.

CLEANING CLOTH : VZZ0095

SECTION 3

MECHANICAL ADJUSTMENT

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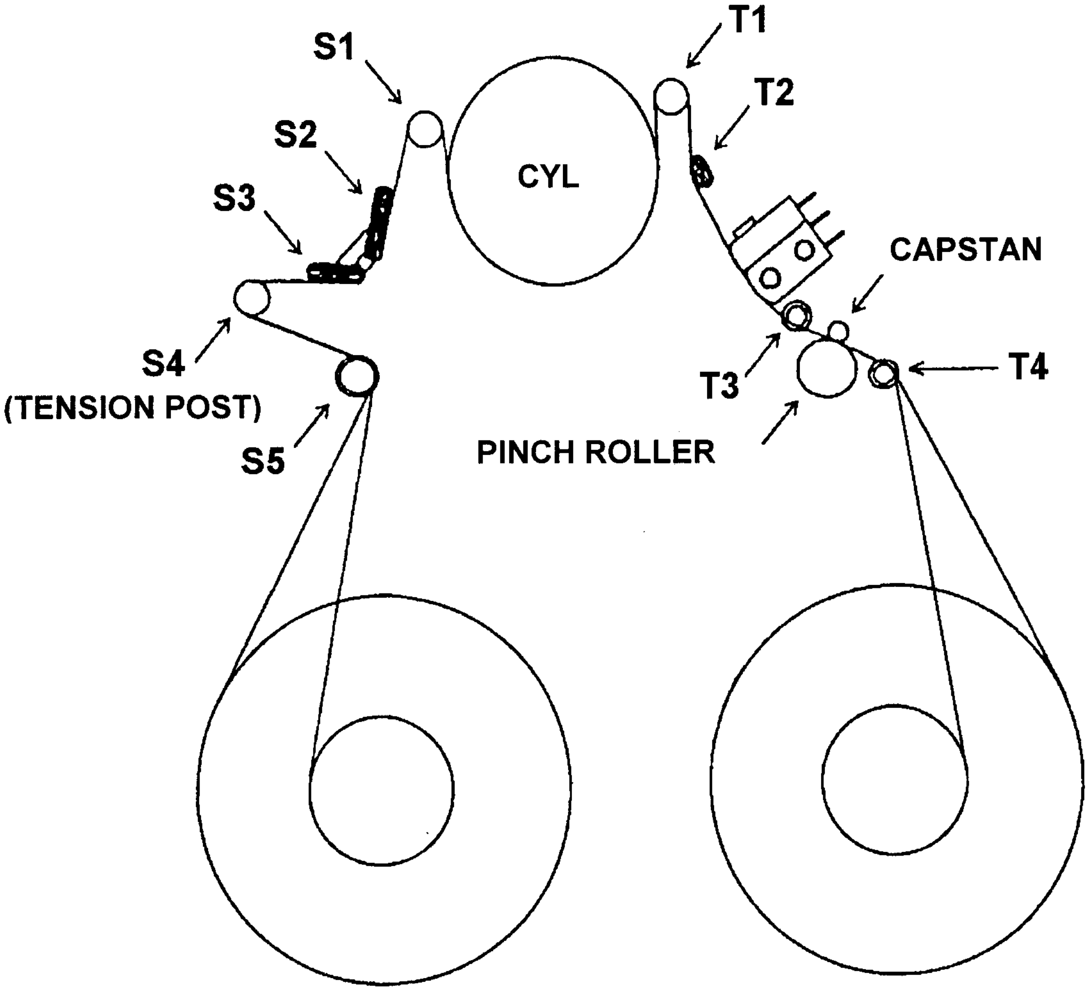
1. Mechanical Adjustment

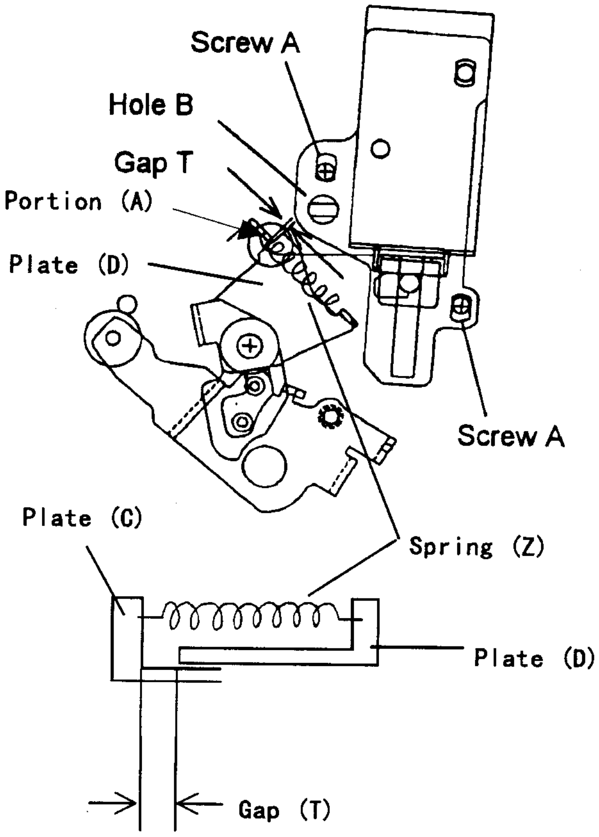
1-1. Name of the tape transportation

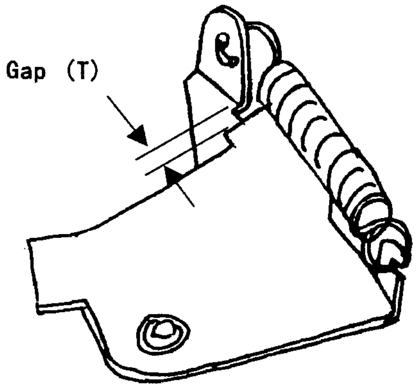

S1
T1
T2
S2
CYL
S3
CAPSTAN
S4
(TENSION POST)
T3
T4
S5
PINCH ROLLER

1-2. Pinch Solenoid Position Adjustment

SPEC.	T = 0.3mm
TEST	Gap T
ADJ.	Screw(A), Hole(B)
MODE	EJECT (Power OFF)
TOOL	VFK0357(Eccentric Driver)

1. Confirm the power of condition at VTR.
2. Push the pinch roller by hand to be close to capstan.
3. Push the pinch solenoid by hand so that the pinch roller contacts capstan.
4. Loosen the two screws (A) and adjust the hole (B) by VFK0357 so that gap (T) is within specification.
5. The position for confirm Gap, which is located spring scratch to Plate (C) side.


Screw A
Hole B
Gap T
Portion (A)
Plate (D)
Screw A
Plate (C)
Spring (Z)
Plate (D)
Gap (T)



1-3.T-Reel Torque Command Offset Adjustment

BOARD	SERVO
SPEC	0 ± 5mV
TEST	T ERR : TP16(RF), GND : TP17 (RF)
ADJ.	Service Menu : A01 : T OFFSET
MODE	EJECT
M.EQ	D.V.M

1. Confirm that the voltage (TP16) is within specification in eject mode.
2. If it is out of specification execute following operation and adjust within specification.
   1) Turn ON the SW802-BIT2 on AV SYS P.C.Board.
   2) Set the switch to “MENU”, and open the service menu.
   3) Set the REC INHIBIT SW to OFF.
   4) Select “A00 : SERVO ADJUST” move the star mark “ * ” by using the UP or DOWN button, and fix with “MODE” button.
   5) Select “A01 : T OFFSET” move the star mark “ * ” by using the UP or DOWN button, and fix with “MODE” button.
   6) Adjust within specification by using the “+” or “-“ button.
   7) Fix adjusted value by using the “SET” button.
   8) Set the switch to “LOCAL” and close the service menu.
   9) Turn OFF the SW802-BIT2 on AV SYS P.C.Board.

1-4.S-Reel Torque Command Offset Adjustment

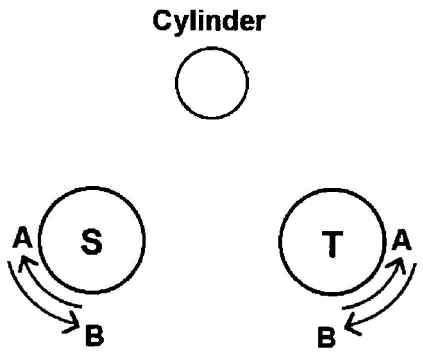
BOARD	SERVO
SPEC	0 ± 5mV
TEST	S ERR : TP15(RF), GND : TP17 (RF)
ADJ.	Service Menu : A02 : S OFFSET
MODE	EJECT
M.EQ	D.V.M

1. Confirm that the voltage (TP15) is within specification in eject mode.
2. If it is out of specification execute following operation and adjust within specification.
    1) Turn ON the SW802-BIT2 on AV SYS P.C.Board.
    2) Set the switch to "MENU", and open the service menu.
    3) Set the REC INHIBIT SW to OFF.
    4) Select "A00 : SERVO ADJUST" move the star mark " * " by using the UP or DOWN button, and fix with "MODE" button.
    5) Select "A02 : S OFFSET" move the star mark " * " by using the UP or DOWN button, and fix with "MODE" button.
    6) Adjust within specification by using the "+" or "-" button.
    7) Fix adjusted value by using the "SET" button.
    8) Set the switch to "LOCAL" and close the service menu.
    9) Turn OFF the SW802-BIT2 on AV SYS P.C.Board.

1-5.Main Brake Torque Confirmation

SPEC	Direction A : more than 80g Direction B : more than 15g
TEST	S reel. R reel
MODE	EJECT (POWER OFF)
TOOL	VFK71 (150g),VFK1191 (45g),VFK1152

1. Remove the Cassette Up Unit.
2. Install the Adapter (VFK1152) to the torque gauge (VFK71).
3. Put the torque gauge on **S Reel** and Turn the torque gauge to **direction A** until **S Reel** slips against brake.
4. Confirm the torque gauge is within specification.
5. Put the torque gauge on **T Reel** and turn the torque gauge to **direction A** until **T Reel** slips against brake.
6. Confirm the torque gauge is within specification.
7. Install the adapter (VFK1152) to the torque gauge (VFK1191).
8. Put the torque gauge on **S Reel** and turn the torque gauge to **direction B** until **S Reel** slips against brake.
9. Confirm the torque gauge is within specification.
10. Put the torque gauge on **T Reel** and Turn the torque gauge to **direction B** until **T Reel** slips against brake.
11. Confirm the torque gauge is within specification.



1-6.T-Reel Motor Torque Offset Adjustment

BOARD	SERVO
SPEC	15g± 2g (average of 5 times)
TEST	T REEL MOTOR
ADJ.	Service Menu : A03 : T TORQUE
MODE	EJECT
M.EQ	Torque Gauge

1. Confirm that the T Reel torque gauge is within specification.
2. If it is out of specification, execute following operation and adjust within specification.

1) Turn ON the SW802-BIT2 on AV SYS P.C.Board.
2) Set the switch to "MENU", and open the service menu.
3) Set the REC INHIBIT SW to OFF.
4) Select "A00 : SERVO ADJUST" move the star mark " ∗ " by using the UP or DOWN button, and fix with "MODE" button.
5) Select "A03 : T TORQUE" move the star mark " ∗ " by using the UP or DOWN button, and fix with "MODE" button.
6) Install the torque gauge to T Reel Motor.
7) Press the "MODE" button, and blink the adjustment value.(Mechanism operate to loading completed condition automatically, and then rotate T Reel.)
8) Execute the torque gauge 5 times. Adjust that the average value of 5 times is within specification by using "+" or "-" button.
9) After complete adjustment, and fix the adjustment value with pressing the "SET" button. (T Reel stop, and mechanism operate to unloading condition.)
10) Set the switch to "LOCAL" and close the service menu.
11) Turn OFF the SW802-BIT2 on AV SYS P.C.Board.

1-7.S-Reel Motor Torque Offset Adjustment

BOARD	SERVO
SPEC	15g± 1g (average of 5 times)
TEST	S REEL MOTOR
ADJ.	Service Menu : A04 : T TORQUE
MODE	EJECT
M.EQ	Torque Gauge

1. Confirm that the S Reel torque gauge is within specification.
2. If it is out of specification, execute following operation and adjust within specification.

1) Turn ON the SW802-BIT2 on AV SYS P.C.Board.
2) Set the switch to "MENU", and open the service menu.
3) Set the REC INHIBIT SW to OFF.
4) Select "A00 : SERVO ADJUST" move the star mark " * " by using the UP or DOWN button, and fix with "MODE" button.
5) Select "A04 : S TORQUE" move the star mark " * " by using the UP or DOWN button, and fix with "MODE" button.
6) Install the torque gauge to S Reel Motor.
7) Press the "MODE" button, and blink the adjustment value. (Mechanism operate to loading completed condition automatically and then rotate T Reel.)
8) Execute the torque gauge 5 times. Adjust that the average value of 5 times is within specification by using "+" or "-" button.
9) After complete adjustment, and fix the adjustment value with pressing the "SET" button. (S Reel stop, and mechanism operate to unloading condition.)
10) Set the switch to "LOCAL" and close the service menu.
11) Turn OFF the SW802-BIT2 on AV SYS P.C.Board.

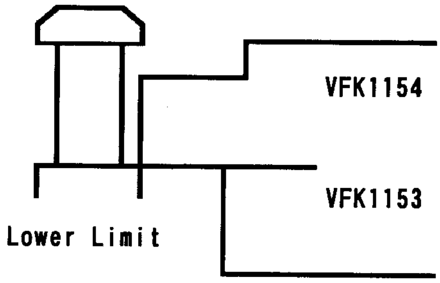
1-8.Post Height Pre-Adjustment

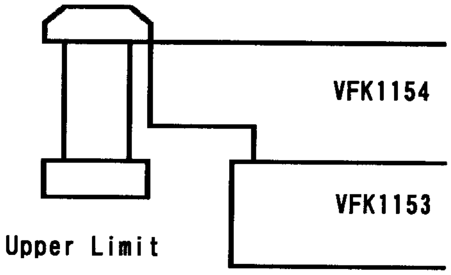
MODE	EJECT (POWER OFF)
TOOL	VFK1153, VFK1154 (Flange Tool)

1. Turn the power OFF and then set the tube* to cover the sensor LED and place the unit in no tape loading mode.
   NOTE: Make a tube* by yourself.
2. Install the Mech. Neutral Plate (VFK1153) and adjust each post height as shown in figure.
3. Adjust the each post to Lower limit by VFK1154 as shown in figure.
4. VFK1149 use for Post height adjustment of S4 and S5 post. VFK1151 use for Post height adjustment of T3 and T4 post.

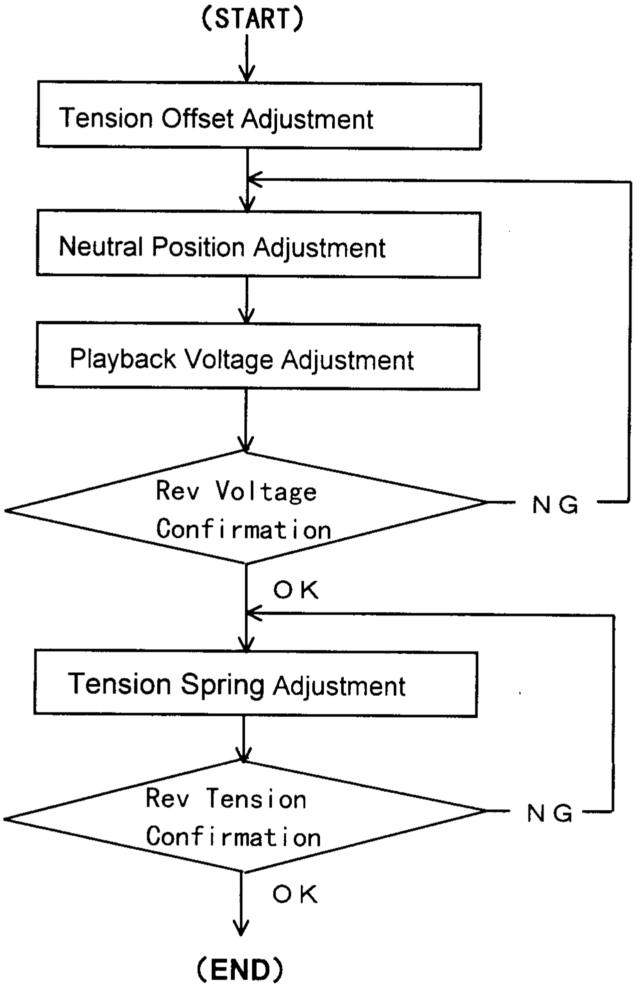
Post	Limit	Post Driver
S5 Post	Lower*	VFK1149
S4 Post	Lower*	VFK1149
T3 Post	Lower	VFK1151(2.5mm Nut Driver)
T4 Post	Lower	VFK1151(2.5mm Nut Driver)

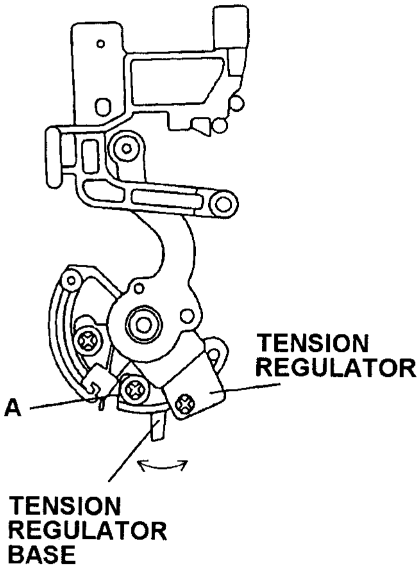
Note: Lower* : Turn S4 and S5 posts 1 round more counterclockwise from lower limit position.





1-9. Tension Adjustment Flowchart


(START)
Tension Offset Adjustment
Neutral Position Adjustment
Playback Voltage Adjustment
Rev Voltage Confirmation
NG
OK
Tension Spring Adjustment
Rev Tension Confirmation
NG
OK
(END)

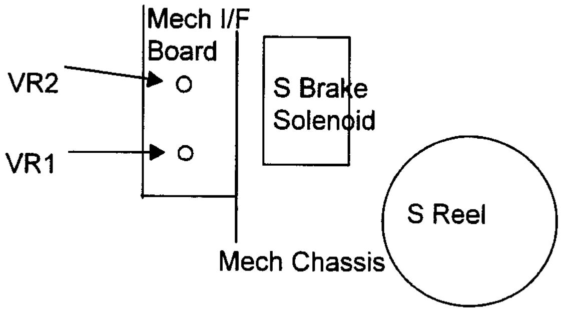

TENSION REGULATOR
A
TENSION REGULATOR BASE

1-10. Tension Offset Adjustment

BOARD	RF
SPEC	2.5±0.05V
TEST	TP11(RF)
ADJ.	A : 05 = TENSION OFST
MODE	EJECT
TOOL	Digital Volt Meter

1. Confirm that the TP11 voltage is within specification in EJECT mode.
2. In case out of specification, execute the following operation and adjust within specification.
   1) Turn ON the SW802-BIT2 on AV SYS P.C.Board.
   2) Set the SW to "MENU" on the front panel, and open the service menu.
   3) Set the REC INHIBIT SW to OFF.
   4) Select "A00 : SERVO ADJUST" move the star mark " * " by using the UP or DOWN button, and fix the value with "MODE" button.
   5) Select "A05 : TENSION OFST" move the star mark " * " by using the UP or DOWN button, and fix the value with "MODE" button.
   6) Adjust within specification by using "+" or "-" button.
   7) Press the "SET" button and fix the value.
   8) Set the SW to "LOCAL" and close the service menu.
   9) Turn OFF the SW802-BIT2 on AV SYS P.C.Board.

Left side of S Brake Solenoid

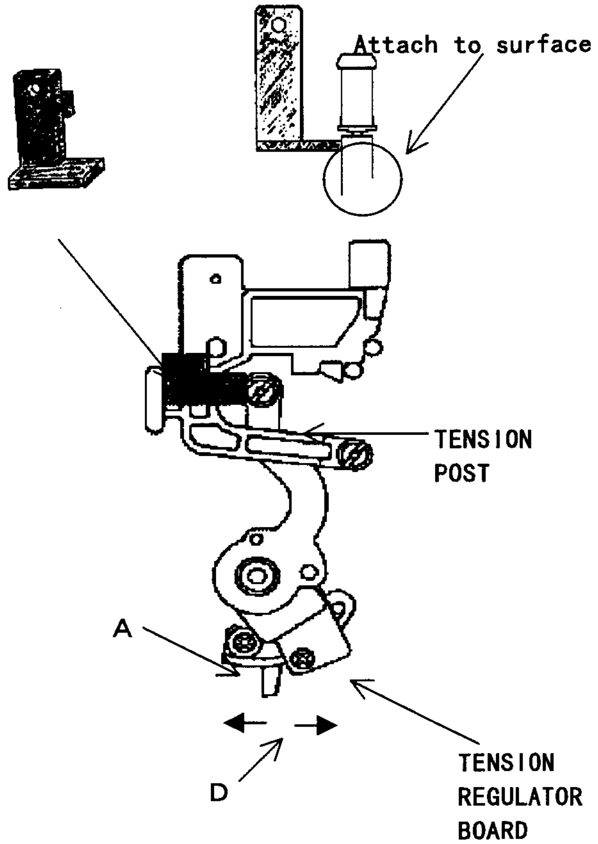


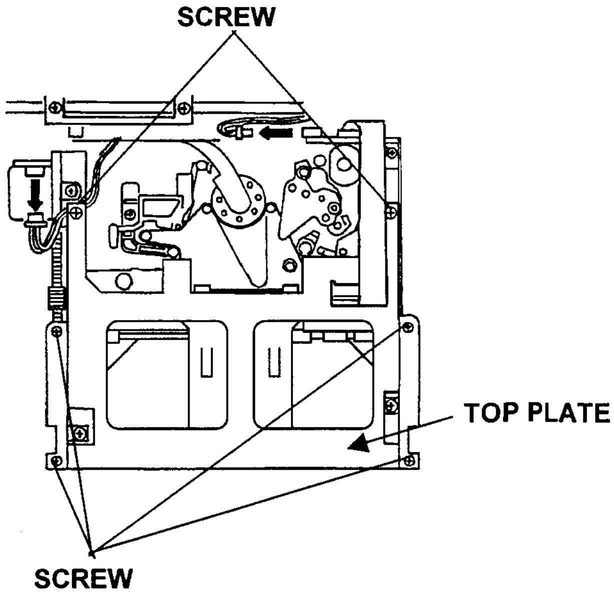
1-11.Tension Arm Neutral Position Adjustment

BOARD	SERVO
SPEC	2.5±0.1V
TEST	TP11(RF)
ADJ.	Base position of Tension Regulator Board
MODE	STOP
TOOL	Digital Volt Meter VFK1208 (Black, with hole)

1. Unscrew the 4 screws and remove the Top Plate on the Front Loading Unit and install the VFK1208.
2. Place the unit into the no tape loading mode. (Refer to No Tape Loading Procedures as shown below.)
3. Adjust the base position of Tension Regulator P.C.Board so that the TP11 voltage is within specification in STOP mode; Loosen the screw (A) by using the unmagnetic driver, and move the tab D,and then tighten the screw A. (Please use the unmagnetic driver when execute this adjustment.)
4. No Tape Loading Procedures
    1) Turn ON the SW802 - BIT2 on AV SYS P.C.Board and confirm that the SUPER INPOSE SW is ON.
    2) Set the switch to "MENU", and open the service menu.
    3) Set the KEY INHIBIT SW to OFF.
    4) Select "A00 : SERVO ADJUST" move the star mark " ∗ " by using the UP or DOWN button, and fix with "MODE" button.
    5) Select "A03 : T TORQUE" move the star mark " ∗ " by using the UP or DOWN button, and fix with "MODE" button.
    6) Press the "SET" button and unloading Condition.
    7) Set the switch to "LOCAL" and close the service menu.
    8) Turn OFF the SW802 – BIT2 on AV SYS P.C.Board.

(VFK1208)
Tension Arm Tool



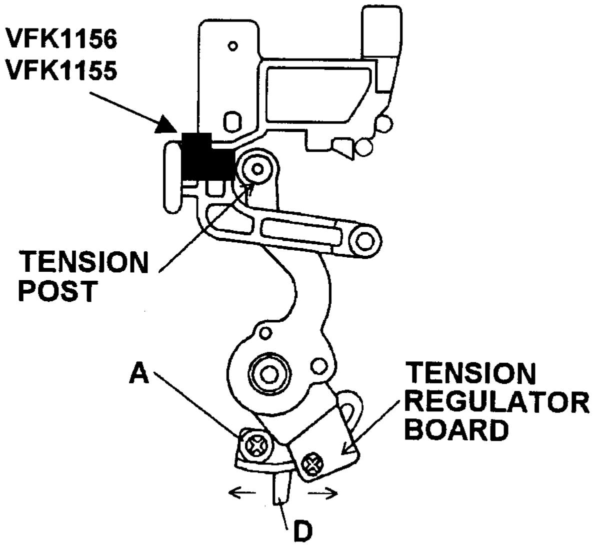


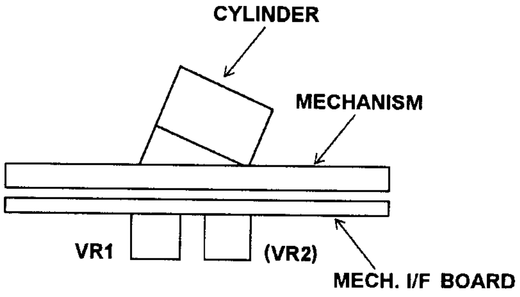
1-12. Tension Arm PLAY and REV Voltage Adjustment

BOARD	AV SYS
SPEC	(PLAY) 3.8±0.05V (REV) 1.2±0.3V
TEST	TP11(RF)
ADJ.	VR1103
MODE	STOP
TOOL	Digital Volt Meter VFK1156(Black :for PLAY position) VFK1155(White :for REV position)

Same front item "1-11" no tape to Loading.

1. When loading end, install the VFK1156 between Tension Post and Stopper.
2. Confirm that TP11 voltage is within specification.
3. In case out of specification, and adjust VR1103 (Mech I/F).
4. Next, install the VFK1155.
5. No tape loading, confirm that TP11 voltage is within specification in "STOP" mode, in case out of specification, "Tension Arm Neutral Position Adj." again, still out of specification, exchange "Tension Post U".


VFK1156
VFK1155
TENSION POST
A
TENSION REGULATOR BOARD
D

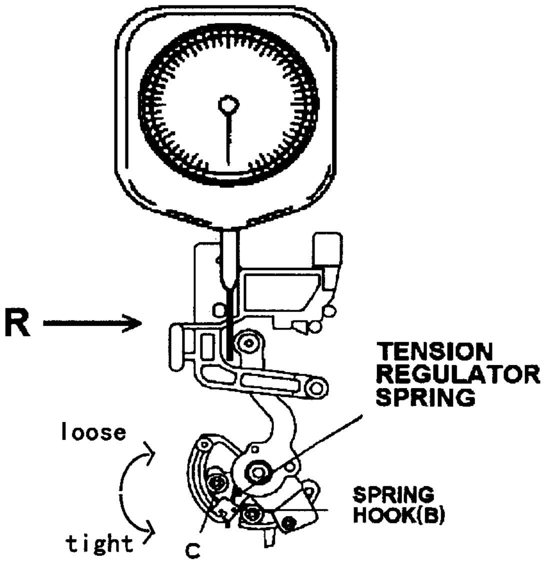

CYLINDER
MECHANISM
VR1
(VR2)
MECH. I/F BOARD

1-13. Tension Regulator Spring Adjustment

BOARD	SERVO
SPEC	11±1gf
TEST	TP11(RF)
ADJ.	Tension Regulator Spring hook (B)
MODE	STOP
TOOL	Digital Volt Meter VFK1188(30g Dial Tension Gauge)

Next, install the VFK1155.

1. Connect the Digital Volt Meter to Test point.
2. Place the VTR into no tape loading mode.
3. Insert the tension gauge to push the tension post to the direction R until the voltage at the TP11 is 3.8V (PLAY position)
4. Loosen the screw (C) and adjust the position of hook (B) so that the indication of gauge is within specification..

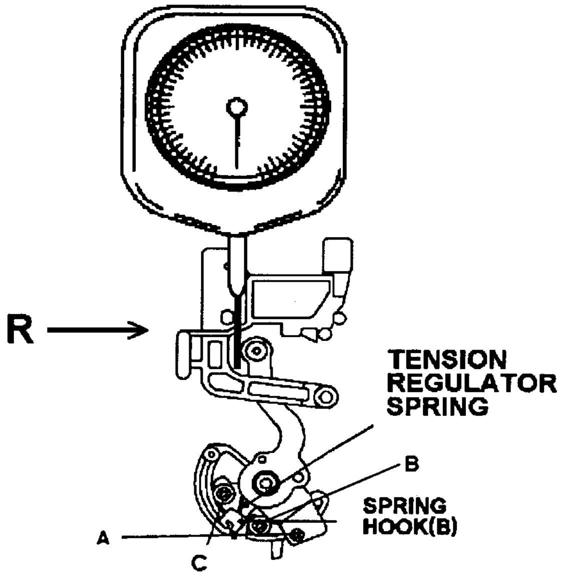


1-14. REV Tension Confirmation

BOARD	SERVO
SPEC.	18±2gf
TEST	TP11(RF)
MODE	STOP
M.EQ	Digital Volt Meter VFK1188(30g Dial Tension Gauge)

Next, install the VFK1155.

1. Connect the Digital Volt Meter to Test point.
2. Place the VTR into no tape loading mode.
3. Insert the tension gauge to push the tension post to the direction R until the voltage at the TP11 is 1.2V (REV position)
4. Confirm that the indication of gauge is within specification. If not, make the Tension Spring Adjustment again.
5. After finish this adjustment , grew the screw A,B and C . The grew quantity at B is half of A and C.

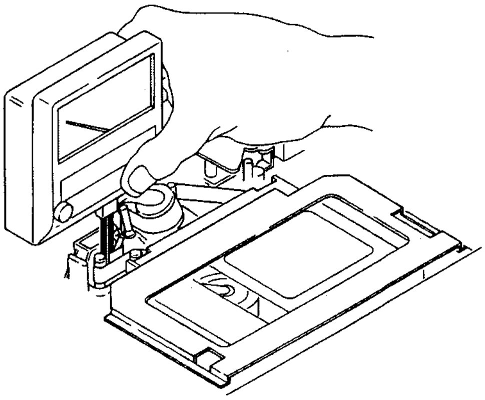


1-15. Tension Confirmation

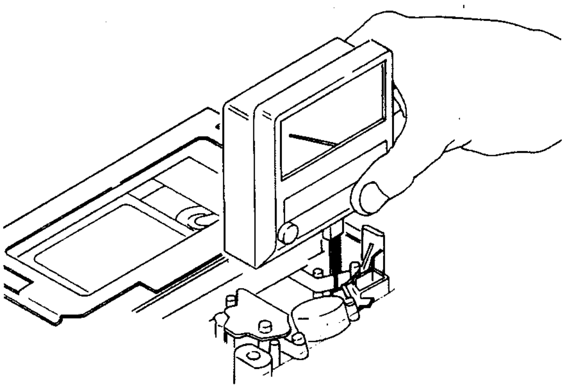
SPEC	(PLAY) 4.0±1gf (REV) 8.0±2gf
MODE	PLAY、REV×1
TAPE	63 min M size Blank Tape
TOOL	VFK1145(Tension Meter)

1. Play back beginning portion of the tape.
2. Insert the tension meter between S3 post and S4 post.(Refer to figure).
3. Confirm the tension is within specification.
4. Place the unit in REV mode.
5. Insert the tension meter between S3 post and S4 post.(Refer to figure)
6. Confirm the tension is within specification.

NOTE: Be careful not to give some tape damage.

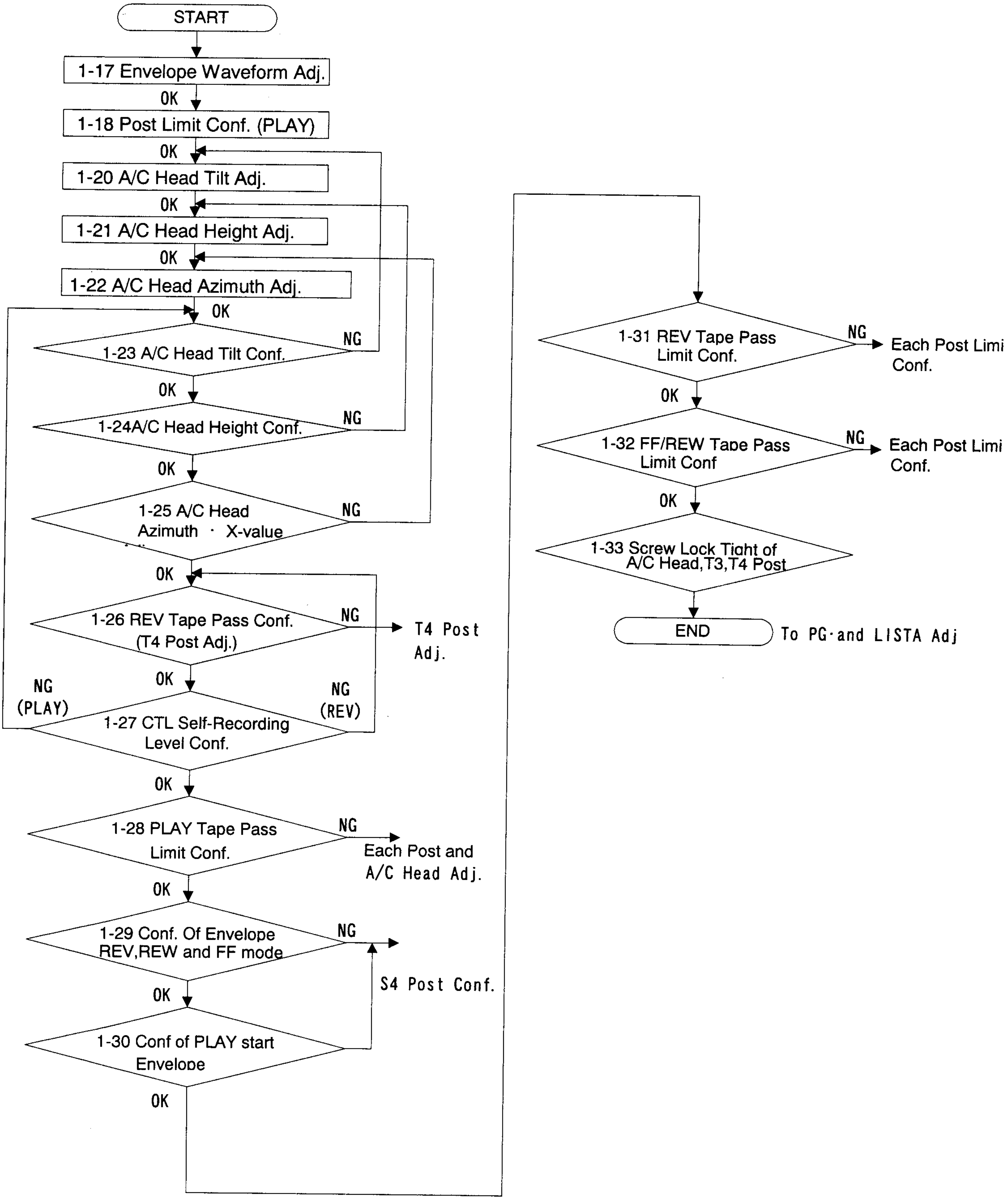


Play Tension



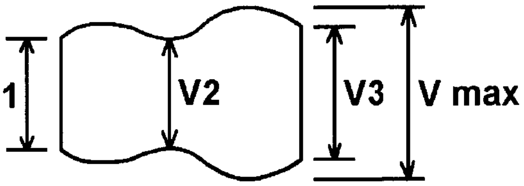
Rev Tension

1-16. Tape Pass Adjustment Procedures


START
1-17 Envelope Waveform Adj.
OK
1-18 Post Limit Conf. (PLAY)
OK
1-20 A/C Head Tilt Adj.
OK
1-21 A/C Head Height Adj.
OK
1-22 A/C Head Azimuth Adj.
OK
1-23 A/C Head Tilt Conf.
NG
OK
1-24A/C Head Height Conf.
NG
OK
1-25 A/C Head Azimuth · X-value
NG
OK
1-26 REV Tape Pass Conf. (T4 Post Adj.)
NG
T4 Post Adj.
OK
NG (PLAY)
NG (REV)
1-27 CTL Self-Recording Level Conf.
OK
1-28 PLAY Tape Pass Limit Conf.
NG
Each Post and A/C Head Adj.
OK
1-29 Conf. Of Envelope REV,REW and FF mode
NG
S4 Post Conf.
OK
1-30 Conf of PLAY start Envelope
OK
1-31 REV Tape Pass Limit Conf.
NG
Each Post Limi Conf.
OK
1-32 FF/REW Tape Pass Limit Conf
NG
Each Post Limi Conf.
OK
1-33 Screw Lock Tight of A/C Head,T3,T4 Post
END
To PG·and LISTA Adj

1-17. Envelope Waveform Adjustment

SPEC	V1/Vmax、V2/Vmax、V3/Vmax ≧ 0.8
TEST	TP401 : (RP) : L CH TP501 : (RF) : R CH
ADJ.	S1、T1 Post Height
MODE	PLAY(ATF)
TAPE	VFM3580KM (NTSC) VFM3680KM (PAL)
M.EQ	Oscilloscope
TOOL	VFK1149(Post Driver)



※Set the R/P Head Output to select "A13 : RP LIN 25M" and open the service menu.

① Turn on the SW802 – BT2 on AV SYS P.C.Board. Confirm that the SUPER IMPOSE SW on the side of this unit to ON.

② Set the MENU SW to "SET" on the front panel, and open the service menu.

③ Set the KEY INHIBIT SW to OFF.

④ Select "A 00 : SERVO ADJUST" move the star mark "＊" by using the UP or DOWN button, and fix with "MODE" button.

⑤ Select "A 13 : RP LIN 25M" move the star mark "＊" by using the UP or DOWN button, and fix with "MODE" button.

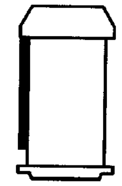
1. Playback the alignment tape.
2. Adjust S1 and T1 post height so that the R/P envelope output is within the specification.
3. When the S1 and T1 posts are adjusted, first raise the post height and make small the entrance and exit side of the envelope, then down the post until envelope becomes flat.
4. With order to adjustment, basically adjust T1 post for makes flat at exit side of envelope first and adjust S1 post.
5. After finish this adjustment, unload the tape and load the tape again, then confirm the shape of Envelope waveform does not changed.
6. Set the SW to "LOCAL" and close the service menu, and turn off the SW802 – BIT2 on AV SYS P.C.Board.

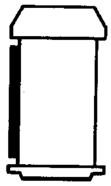
1-18 Post Limit Confirmation (PLAY)

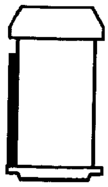
SPEC	Post limit shown in the table No tape curl
MODE	PLAY
TAPE	Blank Tape
TOOL	VFK1149(Post Driver) VFK1151(Nut Driver)

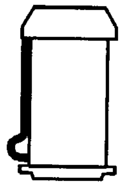
1. Confirm that the tape pass limit follow the as shown as below table and adjust it in case of need.
2. Confirm that the kinds of D、E and F condition do not appeared on the tape as shown in figure.

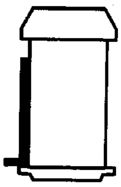
Post	Limit	Adjustment
S5	Lower limit or Free	S5 Post Height
S4	Lower Limit	S4 Post Height
S1	Upper Limit	Envelope waveform
T1	Upper Limit	Envelope waveform
T3	Lower Limit	T3 Post Height
T4	Lower limit or Free	T4 Post Height

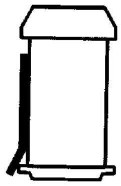

A: UPPER


B: FREE


C: LOWER


D: CURL


E: BEND

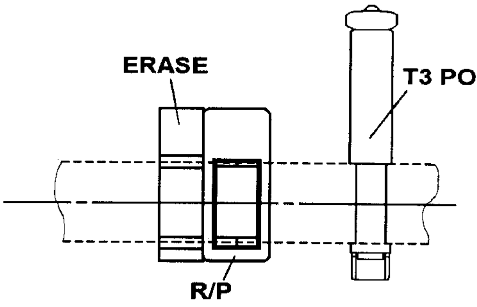

F: DROP

1-19. A/C Head Adjustment Method

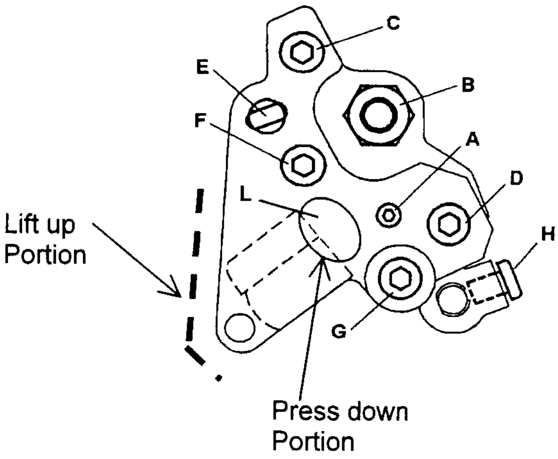
Adjustment Item	SCREW	Adjustment Method	Torque
Tilt adjustment	A	Tighten direction ・・・ Decrease CUE Loosen direction ・・・ Increase CUE	
Height adjustment	B	Tighten direction ・・ In case of increase OUTPUT in the direction of arrow "K" Loosen direction ・・ In case of increase OUTPUT in the direction of arrow "J"	
Azimuth adjustment	F	Phase is adjusted by screw F	
X-value adjustment	C D	Adjust X-value by VFK0357 at Hole (E), then tighten the screw (C) and (D) to fix A/C Head horizontal position.	2.5Kg.cm
Fixed Tilt and Azimuth	G	Screw (G) is always tighten during adjustment except Tilt and Azimuth.	1.0Kg.cm
Fixed height	H	After height adjustment, tighten the screw (H) to fix height of A/C Head.	

SCREW	Tool for adjustment
A	VFK1178 (0.89mm Hex Driver)
B	VFK1150 (5.5mm Nut Driver)
F	VFK1148 (1.5mm Hex Driver)
C,D,G	VFK1209 (Torque Driver) VFK0912 (1.5mm Hex Driver Bit)
H	VFK1190 (1.5mm L type of Hex Wrench)

1. Each adjustment of A/C Head should be perform under the screw (G) tightened.
2. Confirm the screw (A) does not loosen, before execute the A/C Head Tilt adjustment. The screw (A) should be always touch to top of A/C Head.
3. Be careful the tape damage at T3 Post, when adjust tilt of A/C Head.
4. When the height of A/C Head is adjusted by Nut (B), first the screw (H) should be loosen. And after height adjustment finished, tighten the screw (H) lightly.
5. Each adjustment of A/C Head should be finished at the condition of turn the each adjustment screw tighten direction. And hit the portion (L) lightly for remove the distortion.
6. Adjust alternately each A/C Head adjustment with Envelope Waveform adjustment.



A/C HEAD HEIGHT



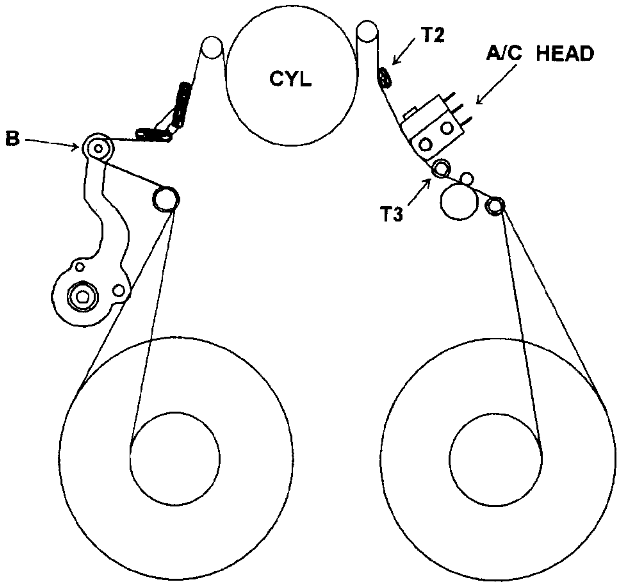
1-20. A/C Head Tilt Adjustment

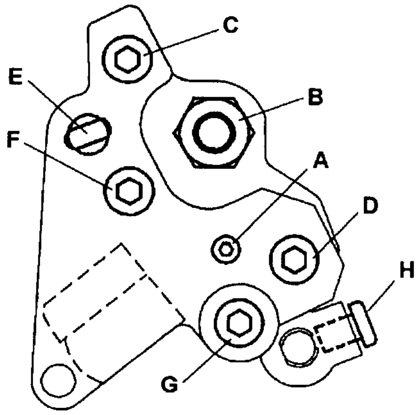
SPEC	Lower limit at T3 Post No tape curl
ADJ.	SCREW A and G (A/C Head)
MODE	PLAY
TAPE	Blank Tape
M.EQ	VFK1209 (Torque Driver) VFK1178 (Hex Driver)

1. Play back the tape and adjust screw(A) for adjustment of tilt of A/C Head so that the tape path has lower limit without curl at T3 post.
2. To adjustment, loosen the screw (G) and make curl on tape at lower flange of T3 post by screw (A). And tighten screw (A) accordingly for find the point of curl disappeared. After finish adjustment for screw (A), tighten the screw (G) is tightened with 1.0Kg/cm of torque.

(NOTE)

1. In case of turn clockwise screw (A).
   → Tape goes up at T3 post.
   In case of turn counter-clockwise screw (A).
   → Tape goes down at T3 post.
2. When screw adjustment finished, with each adjustment screw on A/C Head should be finished tighten direction. And confirm that the screw does not loosen.
3. Adjust and confirmation should be performed alternately with each A/C head adjustment(Azimuth and Height).





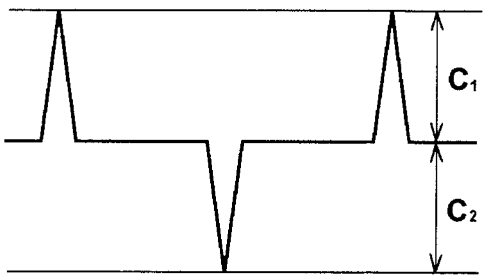
1-21. A/C Head Height adjustment

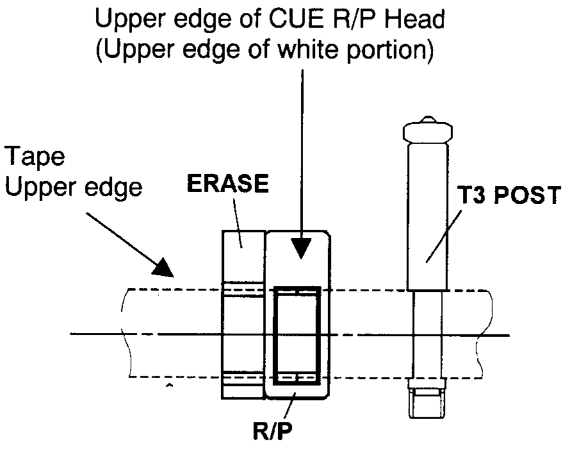
BOARD	SERVO
SPEC	CTL Output (C1,C2≧160mV)
TEST	TP12 : (RF)
ADJ.	SCREW B and H (A/C Head)
MODE	PLAY
TAPE	VFM3580KM (NTSC) VFM3680KM (PAL)
M.EQ	Oscilloscope
TOOL	VFK1150(Nut Driver) VFK1190(Hex Wrench)

1. Observe the CTL output (TP30) on the Servo board.
2. Press and Lift up to A/C Head lightly as indicated as figure position, then confirm that the CTL output level is decreased.
3. If increases CTL output, when press the A/C Head. Loosen the screw H and adjust the screw B counterclockwise until CTL output is maximized.
4. If increases CTL output, when lift up the A/C Head. Loosen the screw H and adjust the screw B clockwise until CTL output is maximized.
5. After tightening the screw H (2.0kg/cm), confirm the level again.

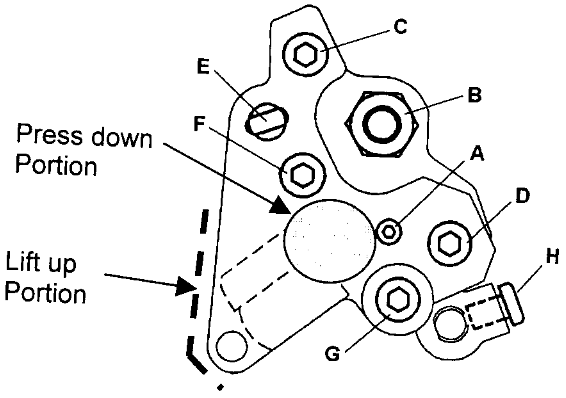
< NOTE >

1. Adjust alternately with other A/C head adjustments(Azimuth, Tilt).




Upper edge of CUE R/P Head
(Upper edge of white portion)
Tape
Upper edge
ERASE
T3 POST
R/P

A/C HEAD HEIGHT


C
E
B
F
Press down
Portion
A
D
H
Lift up
Portion
G

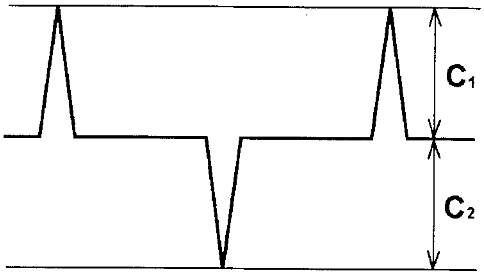
1-22. A/C Head Azimuth Adjustment

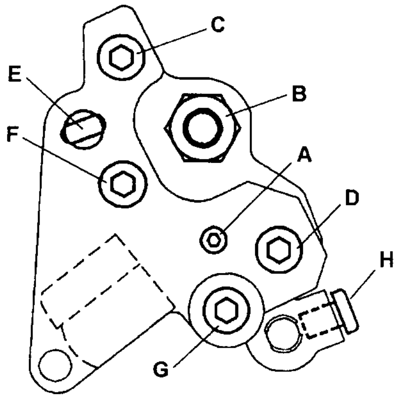
BOARD	SERVO
SPEC	C1,C2 = Max
TEST	TP12 : (RF)
ADJ.	SCREW F (A/C Head)
MODE	PLAY
TAPE	VFM3580KM (NTSC) VFM3680KM (PAL)
M.EQ	Oscilloscope
TOOL	VFK1209 (Torque Driver)

1. Adjust screw (F) for A/C Head so that the observe the CTL output (TP12) on the RF Board.
2. To adjustment, loosen the screw (G) and adjust screw (F) so that the CTL output become maximum.
3. Tighten screw (G) with 1.0Kg torque.

< NOTE >

1. Adjust alternately with other A/C head adjustments(Tilt, Height).

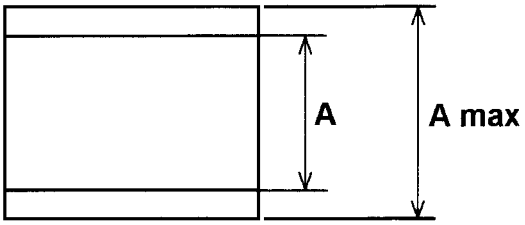


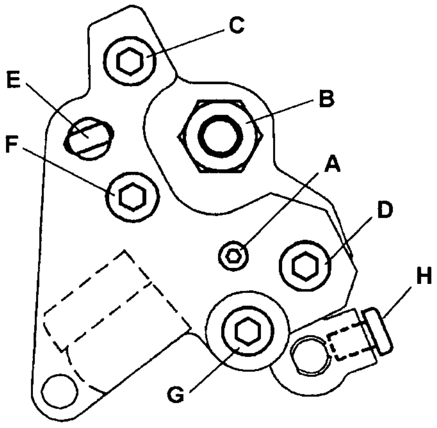


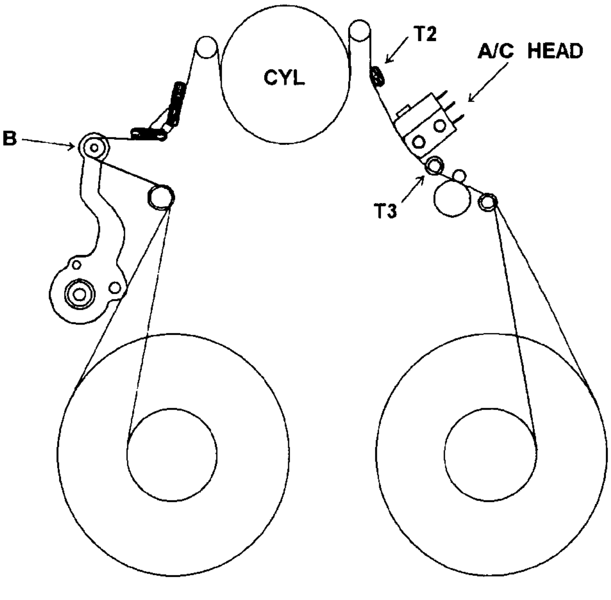
1-23. A/C Head Tilt Confirmation

SPEC	A/Amax ≧ 0.8
TEST	TP40501 (AUDIO)
ADJ.	SCREW A and G (A/C Head)
MODE	PLAY
TAPE	VFM3580KM (NTSC) VFM3680KM (PAL)
M.EQ	Oscilloscope
TOOL	VFK1178, VFK1148 (Hex Driver) VFK1209 (Torque Driver)

1. Playback the “CUE AUDIO 6 KHz” portion of Alignment tape.
2. Confirm that the screw G and H are not loosened.
3. Observe the TP40501 with the oscilloscope and push the tension arm follow the arrow (B) direction as shown in figure as range of T2 post does not move. And confirm that the CUE output level is within specification.
4. If out of specification, loosen the screw G and adjust the screw A, then tighten the screw G with 1.0kg torque.
5. The final touch of the adjustment must be turned clockwise. After this adjustment, confirm that the screw A is not loosened.
6. If adjust the screw A, Confirm that the tape pass condition follow Post Limit Confirmation procedure (item 1-18).



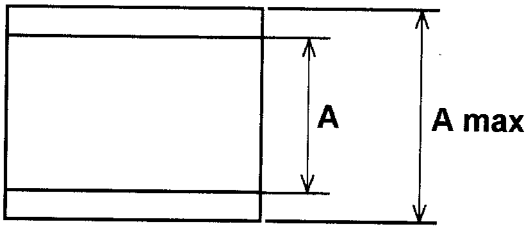


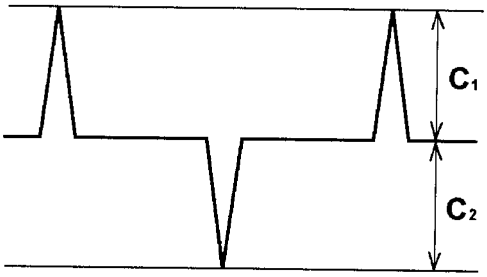


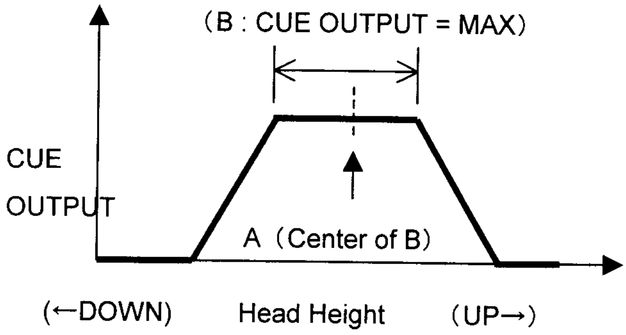
1-24. A/C Head Height Confirmation

SPEC	A≧0.95×Amax、C1、C2 ≧ 1.8V
TEST	TP12 (RF)
ADJ.	SCREW B and H(A/C Head)
MODE	PLAY
TAPE	VFM3580KM (NTSC) VFM3680KM (PAL)
M.EQ	Oscilloscope
TOOL	VFK1150(Nut Driver) VFK1190(Hex Wrench)

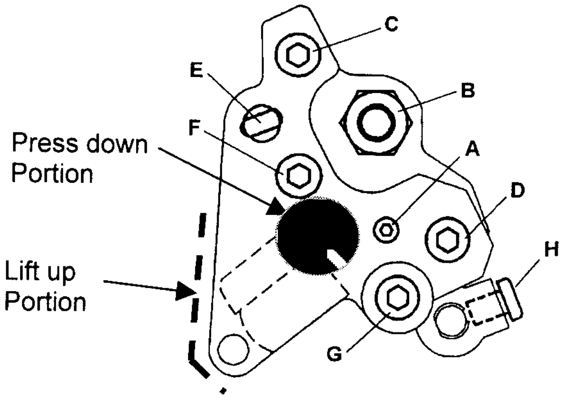
1. Playback the "CUE AUDIO 6KHz" portion of Alignment tape.
2. Press and Lift up to A/C Head lightly as indicated as figure position, then confirm that the CUE output level at TP12 does not increased.
3. If increases CUE output, A/C Head Height adjustment performed. And also confirm that the CTL output level.
4. If adjust the height of A/C Head, Azimuth also changed. Therefore adjust and confirm alternately Height and Azimuth of A/C Head.
5. After screw (H) is tightened, height and tilt of A/C Head are changed. Therefore confirmation of specification must be done after tightening the screw (H).







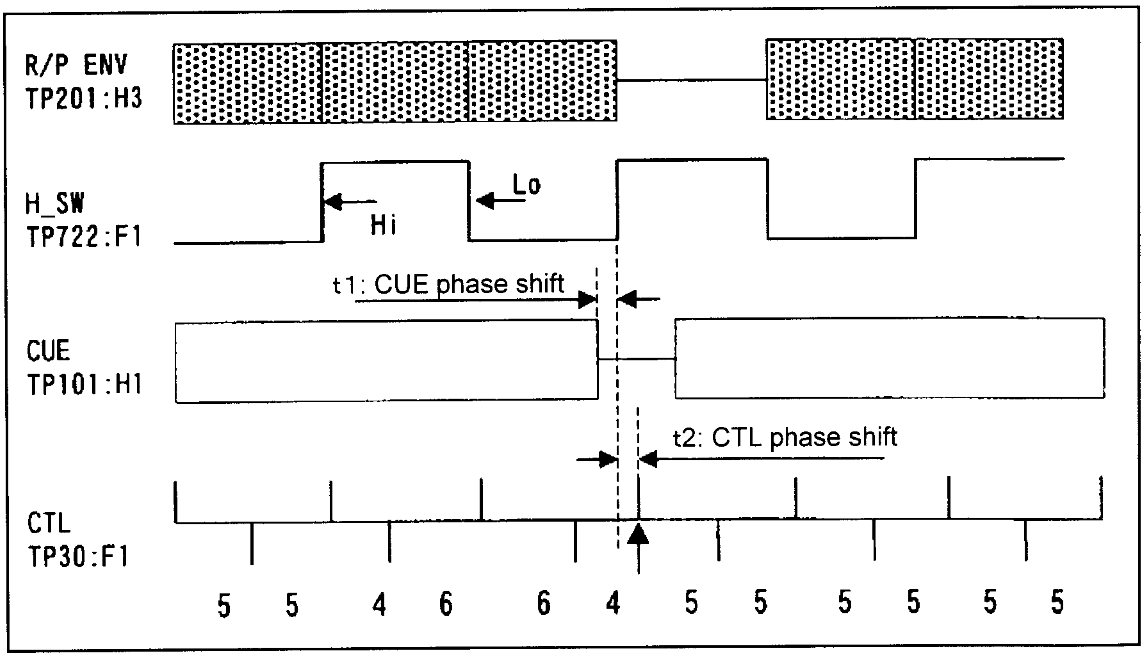
change of CUE OUTPUT and A/C Head Height

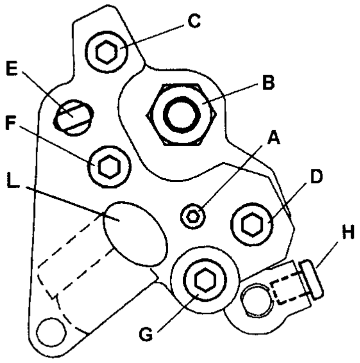


1-25. A/C Head Azimuth and X-value Adjustment

SPEC.	25M mode -250us≦t1,t2≦+250us 50M mode -125us≦t1、t2≦+125us	**TEST**	TP401 R/P ENV L (RF) TP903 R/P HSW (RF) TP4051 CUE AUDIO (AUDIO) TP12 CTL (RF)
ADJ.	A/C Head each screws		
MODE	PLAY	**M.EQ**	Oscilloscope
TAPE	VFM3582KM (NTSC) VFM3682KM (PAL)	**TOOL**	VFK0357 (Eccentric Screwdriver) VFK1209 (Torque gauge)

1. Playback the X value Alignment Tape (VFM3582KM or VFM3682KM) in 25 Playback mode.
2. Adjust A/C Head Azimuth so that the CTL standards as same as top portion of CTL chipping.
3. Open the service menu and select "A13 : RP LIN 25M", and set to R/P Head Output. Confirm the chipping track of R/P ENV and set corresponding H SW. (Do not regulate because of H SW Hi / Lo edge changes every loading).
4. Adjust X value so that the H SW standards as same as top frame of CTL trigger. (Trigger : Next rising at duty is "6 : 4".)
5. After adjustment, take off the distortion by striking slightly L portion as shown below figure. Confirm the t1 and t2 are within specification after Tighten every screws and take off the distortion.
6. Confirm the t1 and t2 are within specification in 50M Playback mode. In case out of specification, adjust again.





1-26. REV Tape Pass Confirmation and Adjustment (T4 post height adjustment)

SPEC.	C1、C2≧Cp1、Cp2×0.75 Lower limit at T3 post on REV mode	**TAPE**	VFM3580KM (NTSC) VFM3680KM (PAL)
TEST	TP12 (RF)	**M.EQ**	Oscilloscope
ADJ.	T4 post height	**TOOL**	VFK1151 (2.5mm Nut Driver)
MODE	REV×1 (25M : mode)		

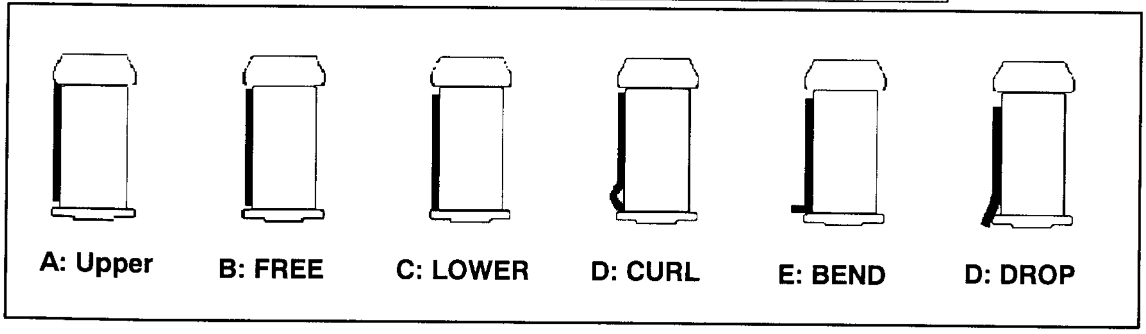
1. Place unit into REV×1 mode, and confirm the post limit and if it is out of specification, the adjust within specification.
2. Turn the Nut of T4 post clockwise or counter-clockwise follow the tape limit condition at T4 NUT. The maximum rotation angle is 45 degree.
3. Place unit into REV X1 mode and confirm the CTL output level is become more than 75% on play mode. Confirm the tape pass limit become lower limit at T3 post and the tape does not have curl at T3 and T4 post.
4. However out of specification, adjust T4 post height follow the Post Height Pre-adjustment procedure.

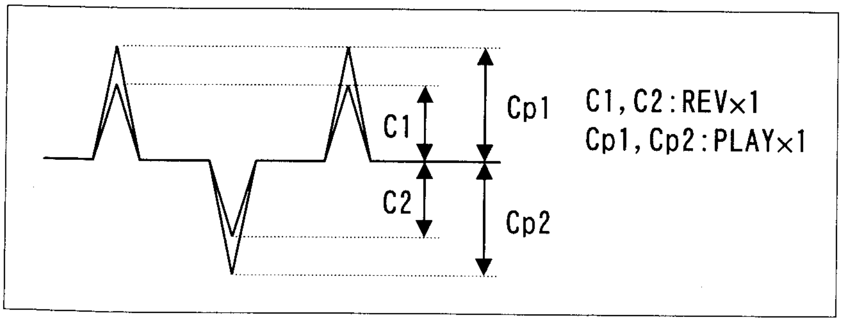
T4 Nut adjustment direction

Direction of adjustment nut of T4 post	CTL level on REV mode	Lower limit at T3 post On REV mode
Tighten direction	Increase	Tape touch to strong
Loosen direction	Decrease	Tape touch to weak

Post Limit

Post Name	Tape limit					
	A	B	C	D	E	F
T3 Post	×	×	○	×	×	×
T4 Post	○	○	○	×	×	×





1-27. CTL Self Recording Playback Level Confirmation

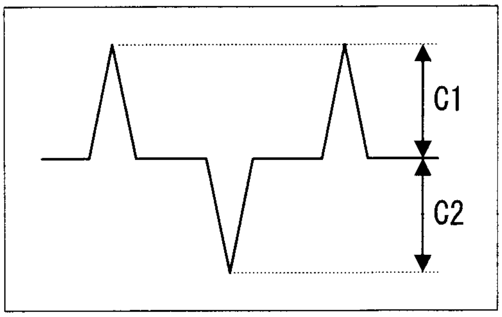
SPEC.	Refer to below table
TEST	TP12 (RF)
MODE	REC and PLAY
TAPE	Blank tape
M.EQ	Oscilloscope

NOTE : This confirmation should be done after each screws of A/C Head are fixed.

1. Excute self REC and PLAY in 25M mode, and observe the CTL output.
2. Playback the recorded portion and confirm the CTL level is within specification as shown as below table on PLAY and REV X1 mode.

CTL Output Level C1,C2	
PLAY	C1,C2≧120mV
C1,C2≧160mV	C1,C2≧120mV

1. PLAY NG → Re-confirm the A/C Head height adjustment.
2. REV NG → Re-confirm the T4 post adjustment.

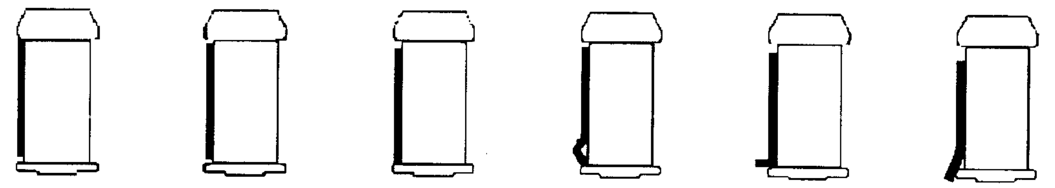


1-28. PLAY Tape Pass Limit Confirmation

SPEC.	Each Post limit shown in table
MODE	PLAY
TAPE	M cassette (MP tape) tape. Tape beginning and end portion

Post Name	Tape Limit (Refer the figure)						Adjustment	
	A	B	C	D	E	F		
S5 post	X	O	O	X	X	X	S4、S5 Post	Post Height Pre-Adj.
S4 post	X	X	O	X	X	X		
S1 post	O	X	X	X	X	X	S1 Post	Envelope waveform Adj.
T1 post	O	X	X	X	X	X	T1 Post	Envelope waveform Adj.
T3 post	X	X	O	X	X	X	A/C Head tilt	A/C Head tilt Adj.
T4 post	O	O	O	X	X	X	T4 Post	Post Height Pre-Adj

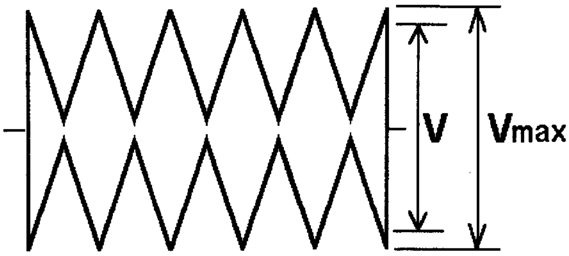
1. Place unit into PLAY mode and confirm the each post limits is within specification.
2. If out of specification, adjust the post height follow the each adjustment procedure.


A: Upper B: Free C: Lower D: Curl E: Bend F: Drop

1-29. Confirmation of Envelope on REV,REW and FF mode

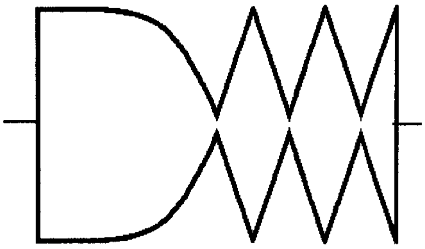
SPEC.	Refer to below
TEST	TP401 (RF)
MODE	REV、REW、FF
TAPE	VFM3580KM (NTSC) VFM3680KM (PAL)
M.EQ	Oscilloscope

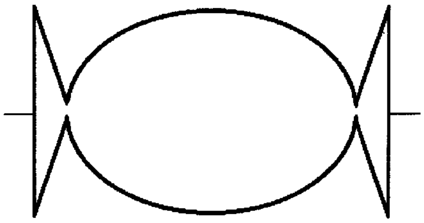
1. Confirm that the Envelope waveform becomes in the specification on REV,REW and FF mode as refer to figure and below.
   - Waveform must be Diamond Style.
   - All the peak level must be more than 90% of maximum level.
     V/Vmax ≧ 0.9
2. If out of spec, adjust S4 post height.



O K

N G





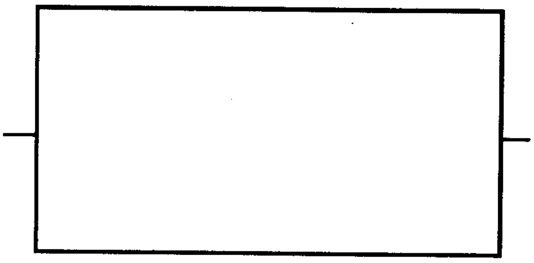
1-30. Confirmation of Play Start Envelope

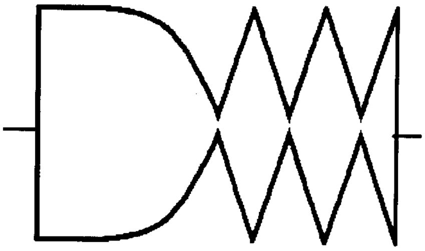
TEST	TP401 (RF)
MODE	REW/REV → PLAY Loading completion → PLAY FF → PLAY
TAPE	L cassette(123min,Recorded tape) Tape beginning portion
M.EQ	Oscilloscope

Note: This adjustment must be done after Envelope Waveform Adjustment.

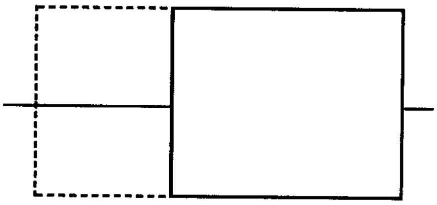
1. Confirm that the envelope appears immediately, when the mode is changed from REW to PLAY, REV to PLAY, FF to PLAY, and Lording to PLAY mode.
2. If out of spec, adjust S4 post height.

O K





N G

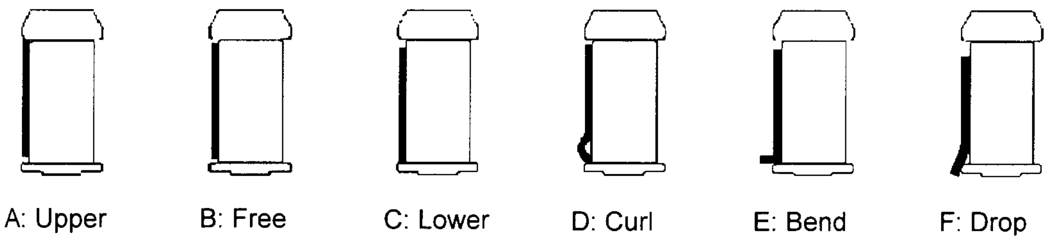


1-31. Tape Pass Limit Confirmation

SPEC	Each Post limit shown in table.
MODE	REV
TAPE	M cassette (MP tape) tape. Tape beginning and end portion

Post Name	Tape Limit(Refer to figure)					
	A	B	C	D	E	F
S5 Post	O	O	O	X	X	X
S4(Tension) Post	X	O	O	X	X	X
S1 Post	O	X	X	X	X	X
T1 Post	O	O	O	X	X	X
T3 Post	X	X	O	X	X	X
T4 Post	O	O	O	X	X	X

1. Place unit into REV mode and confirm the each post limits is within specification.
2. If out of specification, adjust the post height follow the each adjustment procedure (Refer to above table).



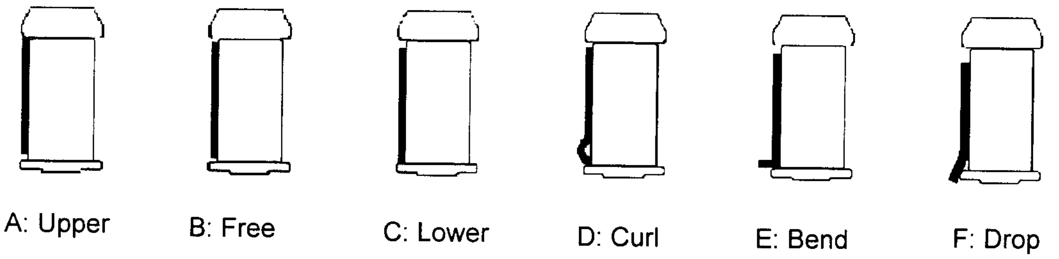
1-32. FF、REW Tape Pass Limit Confirmation

SPEC.	Each Post limit shown in table.
MODE	FF,REW
TAPE	M cassette (MP tape) tape. Tape beginning and end portion

Post Name	Tape Limit(Refer to figurte)					
	A	B	C	D	E	F
S5 Post	O	O	O	X	X	X
S4(Tension) Post	X	O	O	X	X	X
S1 Post	O	X	X	X	X	X
T1 Post	O	O	O	X	X	X
T3 Post	O	O	O	X	X	X
T4 Post	O	O	O	X	X	X

1 Place unit into FF and REV mode and confirm the each post limits is within specification.

2. If out of specification, adjust the post height follow the each adjustment procedure (Refer to above table).

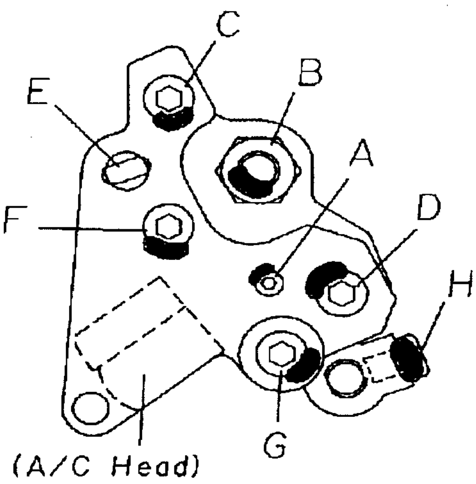


1-33. Screw Lock Tight of A/C Head and T3、T4 Post

[Screw Lock Tight of A/C Head]

	SCREW A	OTHER SCREW
Lock Tight Grew Quantity	1/3 of the screw	1/3 of the screw

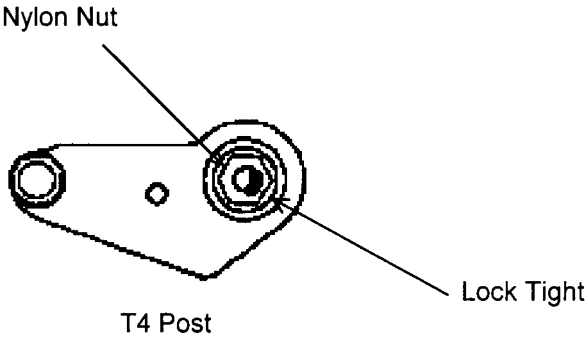
1. Fix the screw by the Lock Tight Grew after adjustment..
2. Before adjustment melt the Grew.



[Screw Lock Tight of T3 and T4 Post]

	T3 Post	T4 Post
Lock tight grew quantity	1/4 of the screw	1/4 of the screw

1. After adjustment, attach the lock tight grew at the Nylon nut..
2. Before adjustment, melt the Grew.

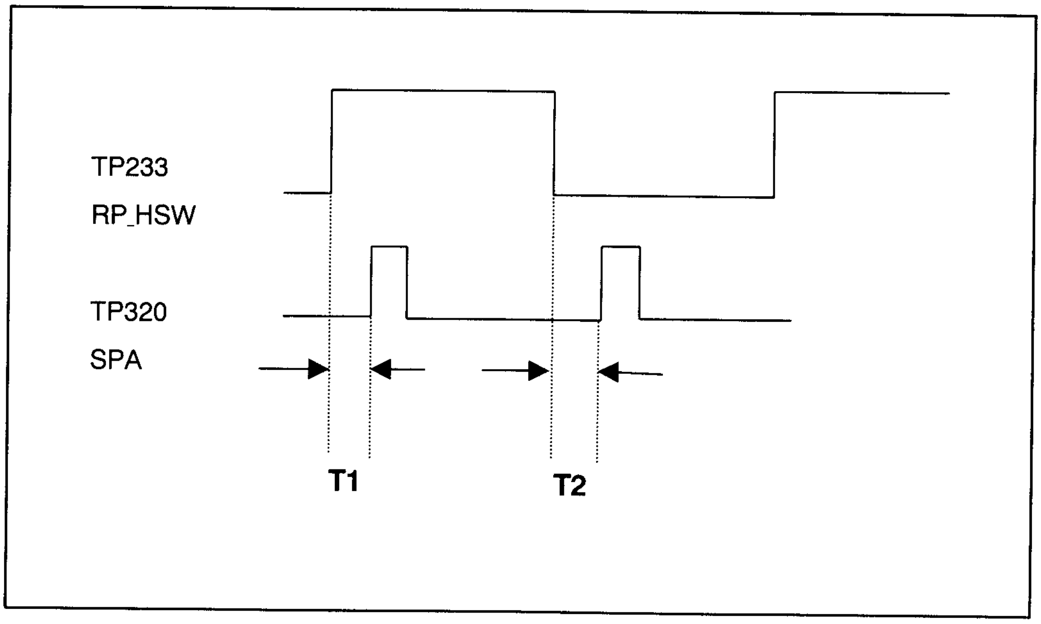


1-34. PG SHIFTER Adjustment (50M)

SPEC.	SERVO
MODE	T1, T2 = 126.8μsec ± 2μsec.
TEST	TP903 (RF) TP401 (RF) TP3771 (REC PB)
ADJ.	A06:PG SFTR 50R, PG SFTR 50F
MODE	PLAY
M,EQ	Oscilloscope, Monitor TV

1. Confirm the T1 and T2 are within specification in Playback mode.
2. If it is out of specification, execute the following operation and adjust within specification.
   1) Turn ON the SW802 – BIT2 on AV SYS P.C.Board.
   2) Set the SW to “MENU” on the front panel, and open the service menu.
   3) Set the REC INHIBIT SW to OFF.
   4) Select “A00 : SERVO ADJUST” move the star mark “ * ” by using the UP or DOWN button, and fix the value with “MODE” button.
   5) Select “A06 : PG SFTR 50R” move the star mark “ * ” by using the UP or DOWN button, and fix the value with “MODE” button.
   6) Insert the alignment tape (VFM3580KM or VFM3680KM) and motor rotation become stable, and then press the ”MODE” button.
   7) Keep pressing the “MODE” button, the value on the right side of “A06 : PG SFTR 50R” change to “0” temporarily. When renewed to new value, let go of the button.
   8) Confirm that the RP HSW L and SPA are as shown in figure.
   9) Adjust within specification by using the “+” or “-“ button.
   10) When complete the adjustment, fix the value by pressing the “SET” button.
   11) Set the SW to “LOCAL” and close the service menu.
   12) Turn off the SW802 – BIT2 on AV SYS P.C.Board.

Note : When execute mentioned adjustment, automatically change the value of “PG SFTR 50F” too.

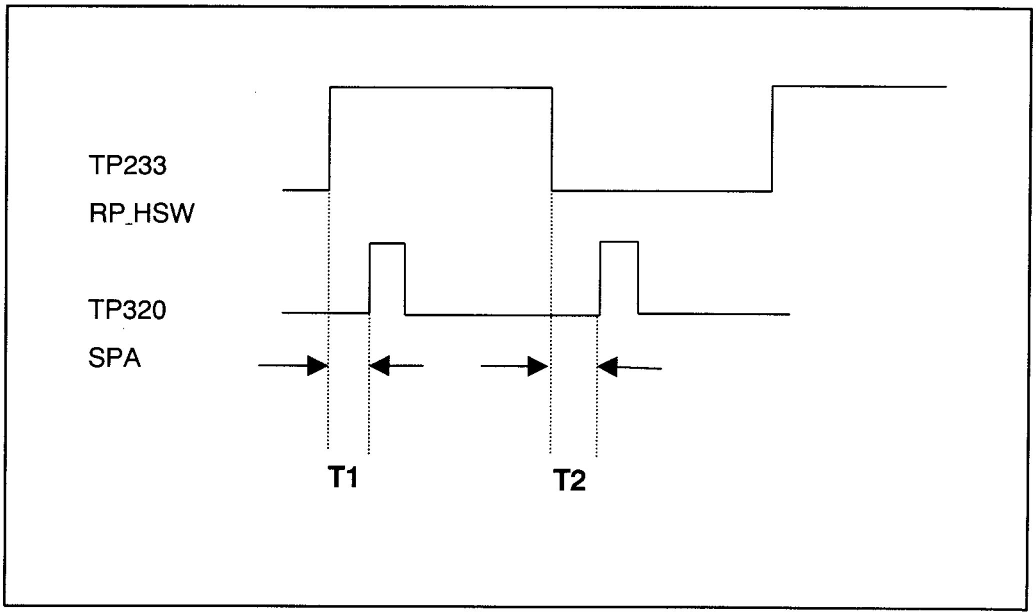


1-35. PG SHIFTER Adjustment (25M)

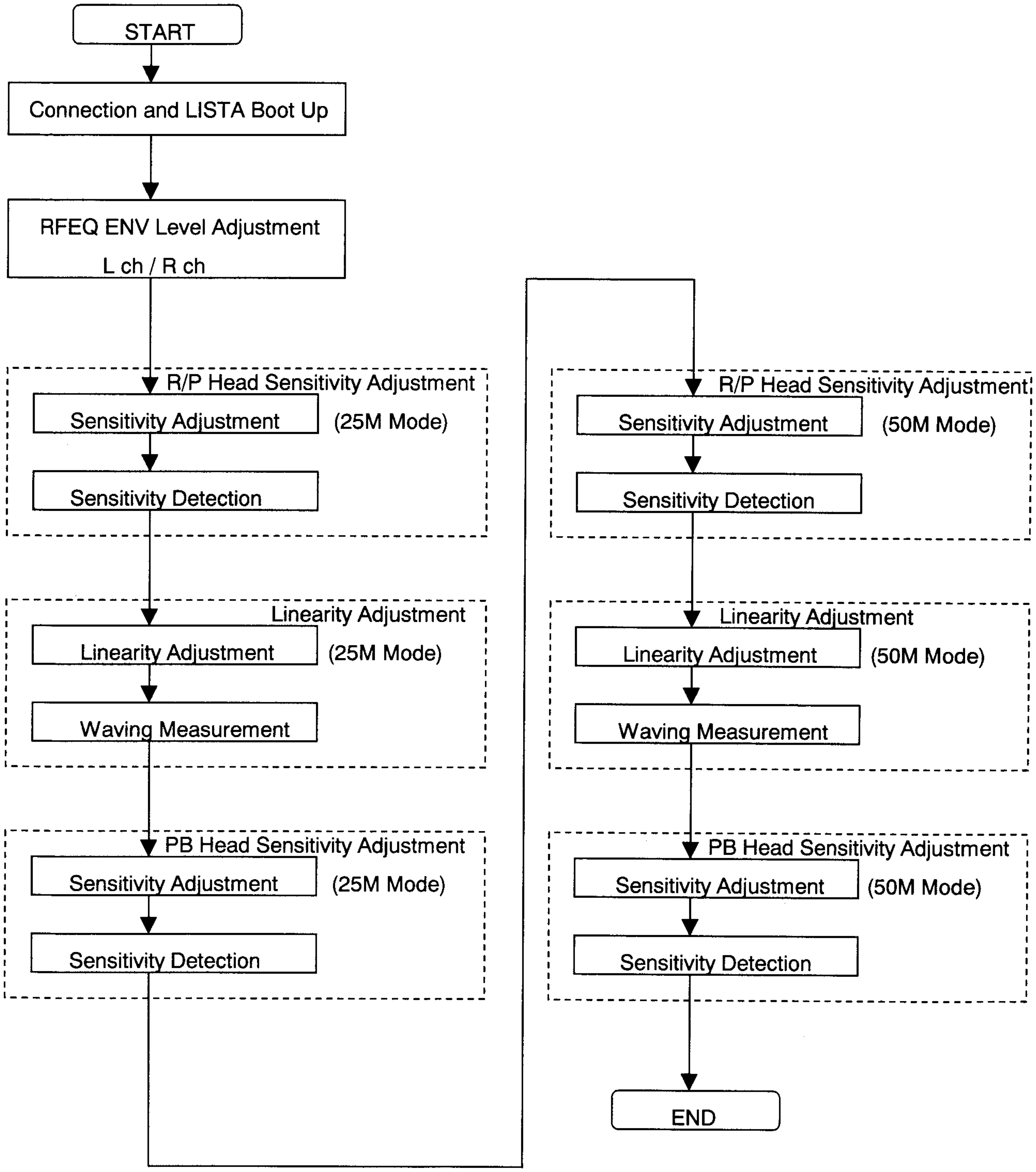
SPEC.	SERVO
MODE	T1, T2 = 253.6μsec ± 4μsec.
TEST	TP903 (RF) TP401 (RF) TP3771 (REC PB)
ADJ.	A07:PG SFTR 50R, PG SFTR 50F
MODE	PLAY
M,EQ	Oscilloscope, Monitor TV

1. Confirm the T1 and T2 are within specification in Playback mode.
2. If it is out of specification, execute the following operation and adjust within specification.
   1) Turn ON the SW802 – BIT2 on AV SYS P.C.Board.
   2) Set the SW to "MENU" on the front panel, and open the service menu.
   3) Set the REC INHIBIT SW to OFF.
   4) Select "A00 : SERVO ADJUST" move the star mark " * " by using the UP or DOWN button, and fix the value with "MODE" button.
   5) Select "A07 : PG SFTR 50R" move the star mark " * " by using the UP or DOWN button, and fix the value with "MODE" button.
   6) Insert the alignment tape (VFM3580KM or VFM3680KM) and motor rotation become stable, and then press the "MODE" button.
   7) Keep pressing the "MODE" button, the value on the right side of "A07 : PG SFTR 25R" change to "0" temporarily. When renewed to new value, let go of the button.
   8) Confirm that the RP HSW L and SPA are as shown in figure.
   9) Adjust within specification by using the "+" or "-" button.
   10) When complete the adjustment, fix the value by pressing the "SET" button.
   11) Set the SW to "LOCAL" and close the service menu.
   12) Turn off the SW802 – BIT2 on AV SYS P.C.Board.

Note : When execute mentioned adjustment, automatically change the value of "PG SFTR 25F" too.



1-36. LISTA Adjustment Procedure


START
Connection and LISTA Boot Up
RFEQ ENV Level Adjustment
L ch / R ch
R/P Head Sensitivity Adjustment
Sensitivity Adjustment
(25M Mode)
Sensitivity Detection
Linearity Adjustment
Linearity Adjustment
(25M Mode)
Waving Measurement
PB Head Sensitivity Adjustment
Sensitivity Adjustment
(25M Mode)
Sensitivity Detection
R/P Head Sensitivity Adjustment
Sensitivity Adjustment
(50M Mode)
Sensitivity Detection
Linearity Adjustment
Linearity Adjustment
(50M Mode)
Waving Measurement
PB Head Sensitivity Adjustment
Sensitivity Adjustment
(50M Mode)
Sensitivity Detection
END

1-37. LISTA Connection and Boot Up

TEST	TP13 (RF), TP903 (RF) R/P HSW, TP905 (RF) PB HSW, TP901 (RF) GND (SERVO : F1)
M.EQ	P/C (AD Board should be installed),Oscilloscope
TAPE	VFM3580KM or VFM3680KM (ENV LEVEL), VFM3581KM or VFM3681KM (LISTA)
TOOL	VFK1481(LISTA Software),VFK1186(LISTA Cable)

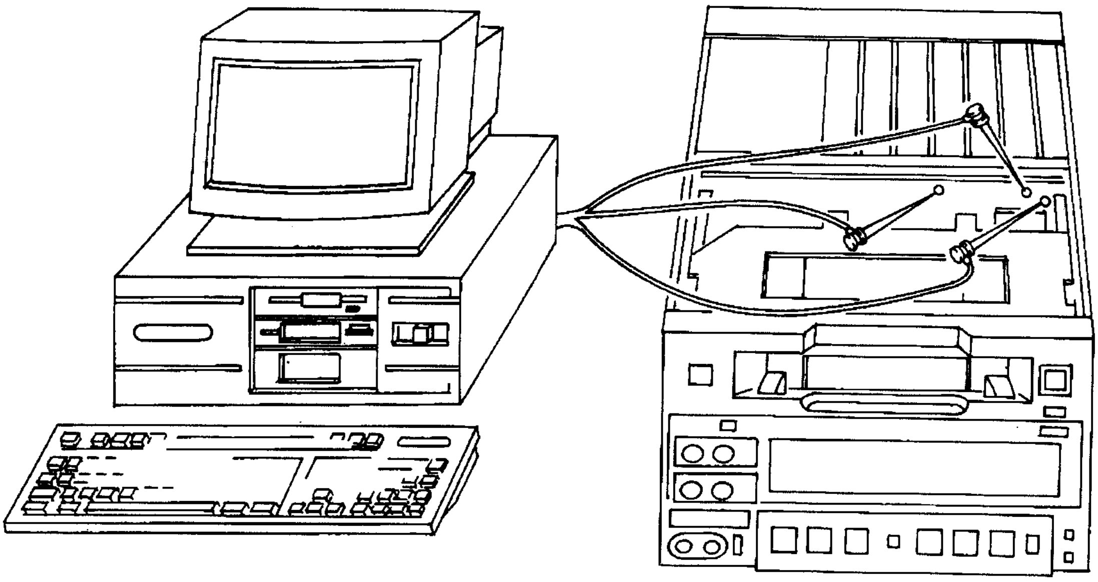
1. Connect the LISTA Cable to A/D board on PC.
2. Connect the Clips of LISTA Cable to test point on Servo Board as follow as below.

①.ATF : TP13

②.HSW : TP903 (RP : HSW) or TP905 (PB : HSW)

③.GND : TG901

CONNECTION



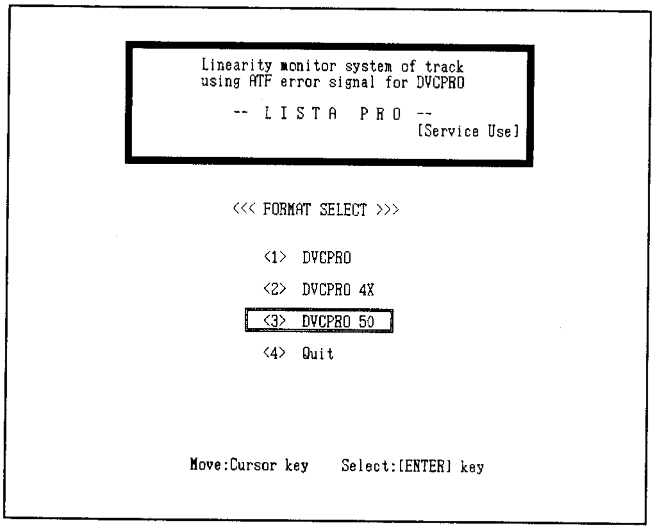
3. Boot up the LISTA software on DOS mode.

★ Install and Boot up.

All files on the floppy disk (VFK1481) copy to created directly on PC(**i.e.** C:¥LISTA).

Type "LISTA" and press ENTER Key, then boot up the LISTA software VFK1481

4. Select the item " <3>DVCPRO50 " for format select on the menu, next select the item " <2> AJ-D950" for VTR selection the menu.
5. Select the linear alignment tape on the select menu. But if LISTA software have not resisted data of alignment tape, select momentary any of displayed on the monitor attachment sheet, which is enclosed of alignment tape.



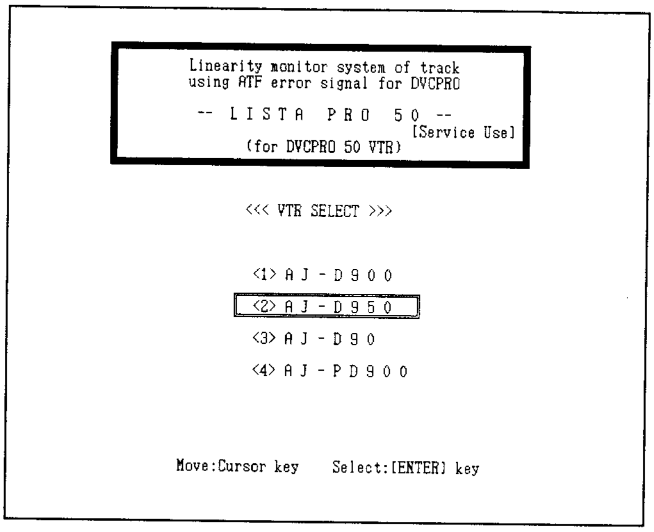
Linearity monitor system of track
using ATF error signal for DVCPRO

-- LISTA PRO --
[Service Use]

<<< FORMAT SELECT >>>

<1> DVCPRO
<2> DVCPRO 4X
<3> DVCPRO 50
<4> Quit

Move:Cursor key Select:[ENTER] key



Linearity monitor system of track
using ATF error signal for DVCPRO

-- LISTA PRO 50 --
[Service Use]
(for DVCPRO 50 VTR)

<<< VTR SELECT >>>

<1> AJ-D900
<2> AJ-D950
<3> AJ-D90
<4> AJ-PD900

Move:Cursor key Select:[ENTER] key

1-38. How to Entry the Attachment Data of Alignment Tape

1. Select the item " <4> Alignment Tape " on the main menu of the LISTA software.
2. Select the item " <2> ENTRY " on the alignment tape menu.
3. After display the screen of " << Alignment tape Data Entry >> " first input the Serial number follow the printed number on the tape label. And input the number "1" for select the PAL/NTSC. And after that for entry the tape type, in case of DVCPRO input to "0", or "ENTER" Key.
4. After select the Tape type, the frame for input the DATA and CHECK SUM appeared on the screen. Input the 37 numerical values in numerical order on the data sheet, which are enclosed with alignment tape. If input the wrong number, appear the error message on the screen, then confirm that the data on the sheet.
5. After entry the data, select " <1> SELECT " on the Alignment Tape menu and select the serial number of the alignment tape.

<<Alignment Tape Data Entry>> Serial No.0596003 18um

[1]	- 0.1
[2]	0.1
[3]	0.0
[4]	0.2
[5]	0.6
[6]	0.5
[7]	0.7
[8]	0.9
[9]	1.0
[10]	0.8

[11]	0.7
[12]	1.0
[13]	0.7
[14]	0.5
[15]	0.2
[16]	- 0.5
[17]	- 0.3
[18]	- 0.3
[19]	- 0.1
[20]	- 0.6

[21]	- 0.4
[22]	- 0.2
[23]	- 0.7
[24]	- 0.6
[25]	- 0.7
[26]	- 0.3
[27]	- 0.4
[28]	- 0.4
[29]	- 0.6
[30]	- 0.3

[31]	- 0.4
[32]	- 0.6
[33]	- 0.3
[34]	- 0.2
[35]	- 0.1
[36]	- 0.3
[37]	- 0.1

[CS]	- 0.6

1-39. LISTA Sensitivity Adjustment (R/P Head : 25M Mode)

SPEC.	Sensitivity:150±15 (mV/um)
MODE	PLAY
TEST	TP13 (RF), TP903 (RF) R/P HSW, TG901 (RF) GND (SERVO : F1)
ADJUSTMENT	A12 : RP GAIN 25M (SERVO ADJUST)
TAPE	VFM3581KM (NTSC)or VFM3681KM (PAL)

Note: 1) Before perform the Sensitivity Adjustment, perform the RFEQ adjustment for adjust ENV Level (L/R) on RF AMP P.C.Board. (Refer to Sec.4 : Electrical adjustment).

2) Set the LISTA software to 25M Mode ; After LISTA boot up, select model and displayed main menu. Every time press "0" every time change [25M⇔50M].

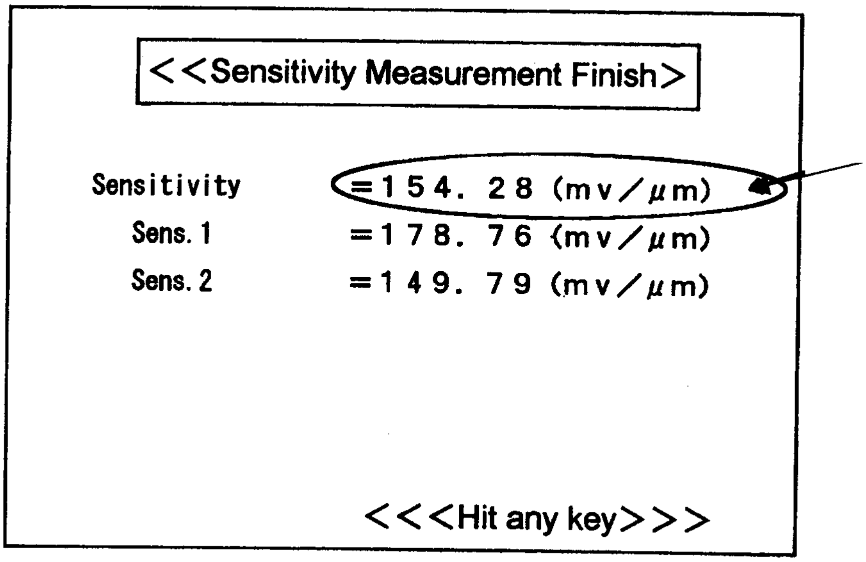
1. Open the "SERVO ADJUST" on service menu, and select "A12 : RP GAIN 25M".
    1) Turn ON the SW802 – BIT2 on AV SYS P.C.Board. Confirm that the SUPER INPOSE SW on the side of unit is ON.
    2) Set the SW to "MENU" on the front panel, and open the service menu.
    3) Set the KEY INHIBIT SW to OFF.
    4) Select "A00 : SERVO ADJUST" move the star mark " ∗ " by using the "+" or "-" button, and fix by pressing the "MODE" button.
    5) Select "A12 : RP GAIN 25M" move the star mark " ∗ " by using the "+" or "-" button, and fix by pressing the "MODE" button.
2. Playback the alignment tape (NTSC: VFM38581KM or PAL: VFM3681KM). (Set the REC INHIBIT SW to ON, and press the "PLAY" button.)
3. Select the "<6> ATF Error Signal Monitor" on the LISTA main menu. When displayed "1.2% Speed…", and press the "ENTER" button. Then displayed real time sensitivity data.
4. When appeared waveform on the monitor as shown below, adjust ATF gain so that the "Sens.Value" on the upper right on the monitor is within specification. When complete the adjustment, press the "SEC" button and back to main menu.

1-40. LISTA Sensitivity Detection (R/P Head 25Mode)

SPEC	Sensitivity:150±15 (mV/um)
MODE	PLAY
TEST	TP13 (RF) TP903 (RF) R/P HSW TG901 (RF) GND (SERVO : F1)
ADJ.	A12 : RP GAIN 25M (SERVO ADJUST)
TAPE	VFM3581KM (NTSC)or VFM3681KM (PAL)

Note: This item execute after complete "1-39. LISTA Sensitivity Adjustment (R/P Head : 25M Mode)".

1. Confirm that the "A12 : RP GAIN 25M" has selected on service menu.
2. Playback the alignment tape (NTSC: VFM3581KM or PAL: VFM3681KM). (Set the REC INHIBIT SW to ON, and press the "PLAY" button.
3. Select "<1> Sensitivity Measurement on the LISTA main menu. When displayed "1.2% Speed...", and press the "ENTER" button. Then sensitivity data measurement starts.
4. Sensitivity value appear on the monitor, and confirm that the menu within specification.



<<Sensitivity Measurement Finish>

Sensitivity =154.28 (mv/μm)

Sens. 1 =178.76 (mv/μm)

Sens. 2 =149.79 (mv/μm)

<<<Hit any key>>>

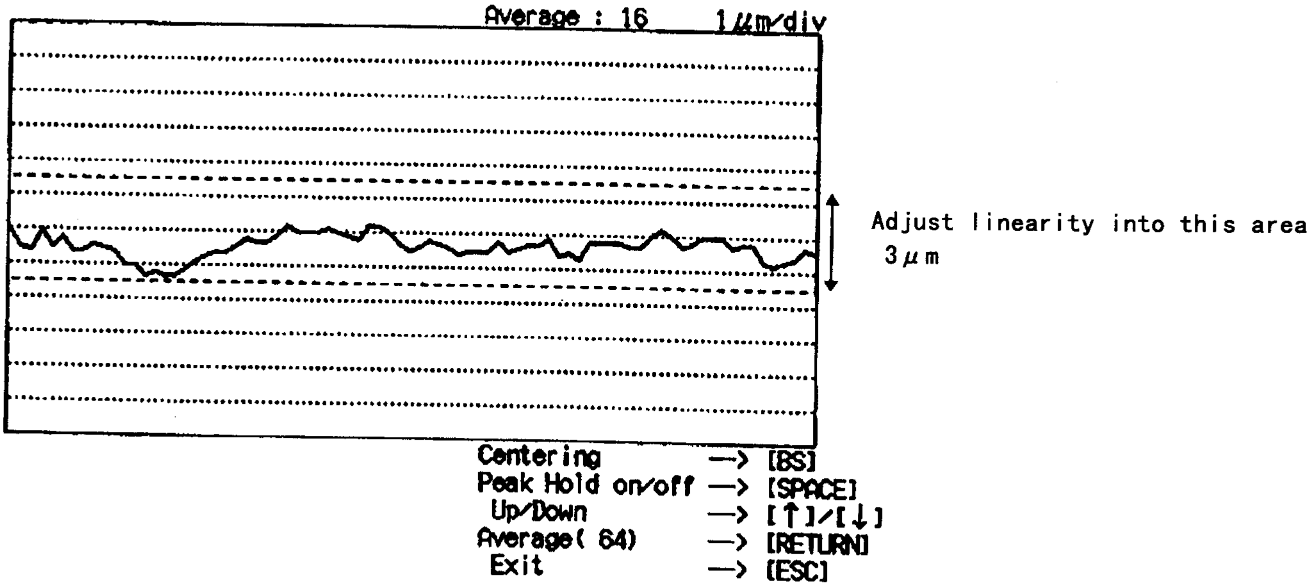
Confirm this value

1-41. LISTA Linearity Adjustment and Waving Measurement (25M Mode)

SPEC	Linearity: Less than 3um, Waving: Less than 1.5um
MODE	A13 : RP LIN 25M (SERVO ADJUST)
TEST	TP13 (RF) TP903 (RF) R/P HSW TG901 (RF) GND (SERVO : F1)
ADJ.	S1 and T1 Post Height
TAPE	VFM3581KM (NTSC)or VFM3681KM (PAL)

1. Open the SERVO ADJUST menu on Service menu and select the " A13: RP LIN 25M "
2. Playback the LISTA alignment tape (NTSC: VFM3581KM or PAL: VFM3681LM).
3. Select the item " <2> Linearity Measurement " on the LISTA main menu and display the linearity waveform.
4. When the waveform as shown as below figure is displayed on the screen, press the " BS (back space) " key for display the waveform to center of scale on the screen. And adjust height of S1 and T1 post by Post Driver so that the linearity waveform is become flat as possible, and it should be in the specification.

★ Adjust linearity waveform in the red dot line on the screen.



☆ **POINT:**

The part of left side of waveform(entrance side) is adjusted by height of S1 post and part of right side of waveform(exit side) is adjusted by height of T1 post.

Lower part of above waveform of figure is displayed lead on Cylinder.

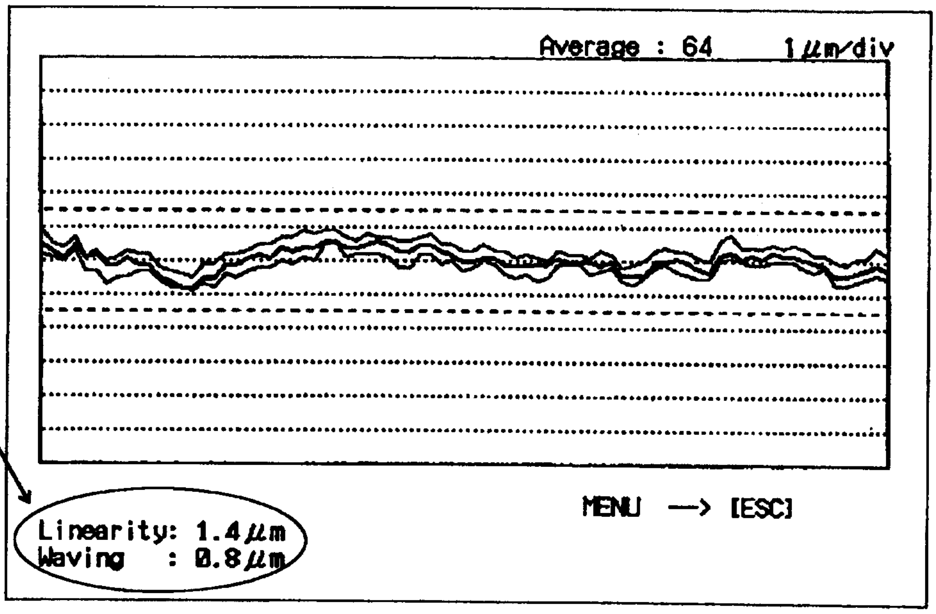
When the post driver is remove from upper part of post, linearity waveform is changed.

After finish this adjustment, eject the tape and insert the tape again for confirm the shape of linearity waveform does not changed.

5. After finish the linearity adjustment, execute the Waving Measurement.

* [Waving Measurement]

1. Press "SPACE " key for make the Peak Hold during 30 seconds, when linearity is displayed.
2. After finish the Peak Hold, press "SHIFT" and "}" key simultaneously on the Key Board, then display the values of 「Waving」 on lower left of screen. And confirm the numerical values are in the specification. Also confirm the range of waving waveform is same quantity from entrance side to exit side. If the 「Linearity」 and 「Waving」 are out of specification and it caused by not enough limit of entrance or exit side of envelope, then adjust height of S1 and T1 post.
3. After this measurement is finished, press ESC key for return to main menu.



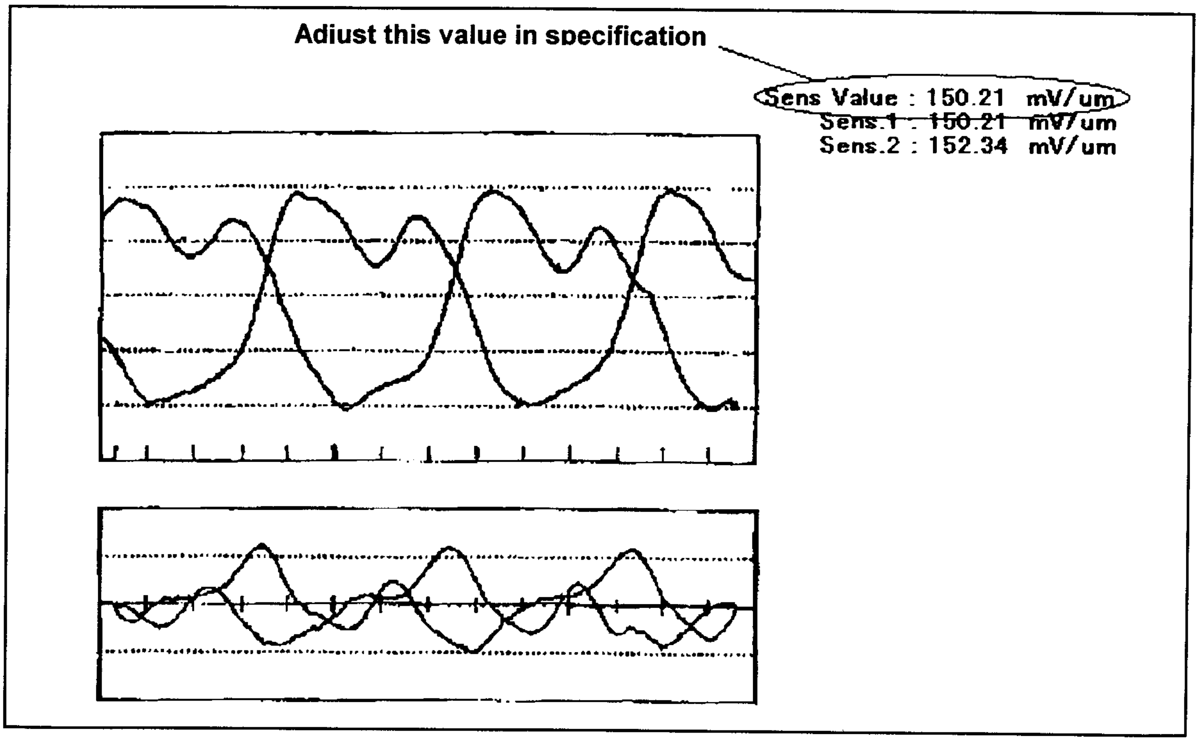
Linearity: 1.4μm
Waving : 0.8μm

Confirm this Value

1-42. LISTA Sensitivity Adjustment (PB HEAD : 25M Mode)

SPEC.	Sensitivity:150±15 (mV/um)
MODE	PLAY
TEST	TP13 (RF) TP905 (RF) PB HSW TG901 (RF) GND (SERVO : F1)
ADJ.	A14:PB GAIN 25M (SERVO ADJUST)
TAPE	VFM3581KM (NTSC)or VFM3681KM (PAL)

1. Open the SERVO ADJUST menu on Service menu and select the " A14: PB GAIN 25M "
2. Playback the LISTA alignment tape (NTSC: VFM3581KM or PAL: VFM3681KM).
3. Select the item " <6> ATF Error Monitor " on the LISTA main menu. When displayed "1.2 Speed...", and press the "ENTER" button. Then displayed real time sensitivity data.
4. When appeared waveform on the monitor as shown below, adjust ATF gain so that the "Sens.Value" on the upper right on the monitor is within specification. When complete the adjustment, press the "ESC" button and back to main menu.



Adiust this value in specification

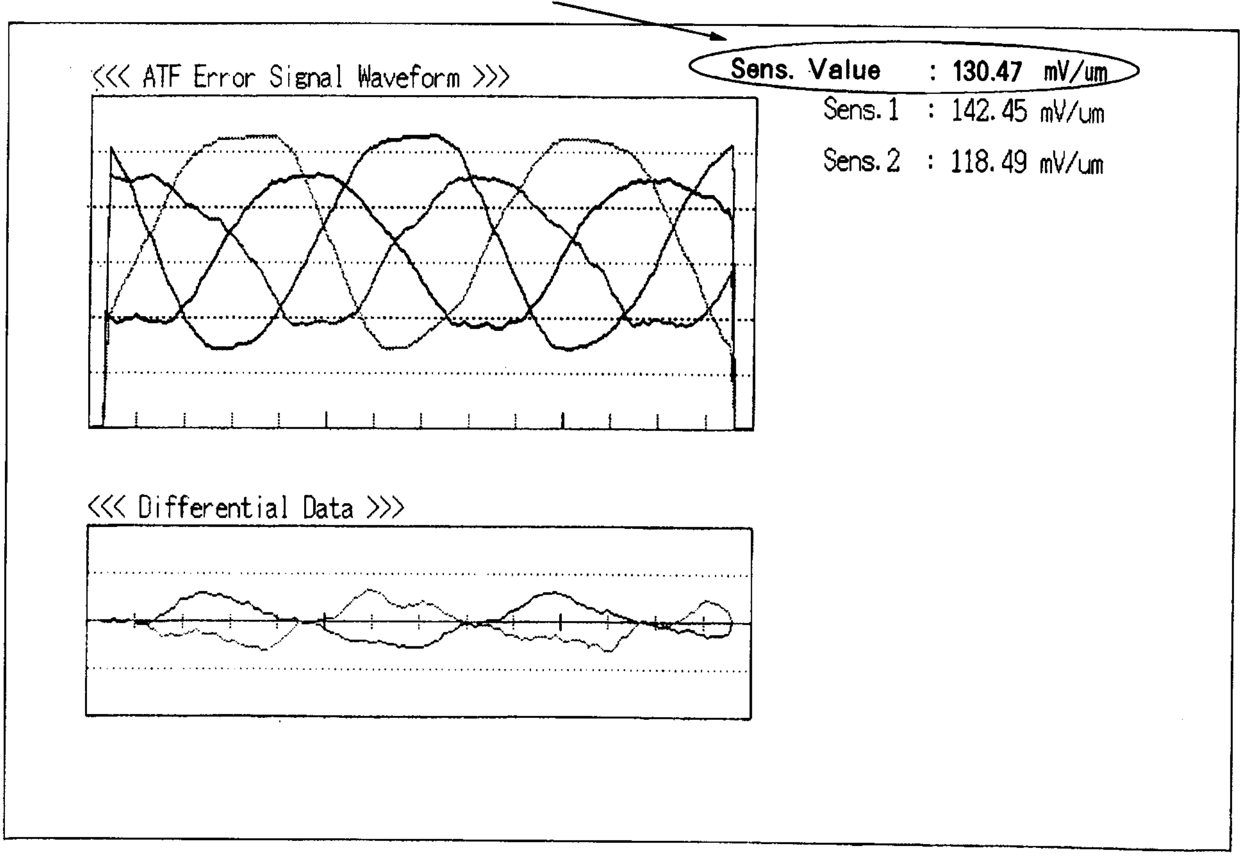
Sens Value : 150.21 mV/um
Sens.1 : 150.21 mV/um
Sens.2 : 152.34 mV/um

1-43. LISTA Sensitivity Detection (PB : 25M Mode)

SPEC.	Sensitivity:150±15 (mV/um)
MODE	PLAY
TEST	TP13 (RF) TP905 (RF) PB HSW TG901 (RF) GND (SERVO : F1)
ADJ.	A14 : RP GAIN 25M (SERVO ADJUST)
TAPE	VFM3581KM (NTSC) or VFM3681KM (PAL)

Note: This item execute after complete “1-39. LISTA Sensitivity Adjustment (R/P Head : 25M Mode)”.

1. Confirm that the “A14 : PB GAIN 25M” has selected on service menu.
2. Playback the alignment tape (NTSC: VFM3581KM or PAL: VFM3681KM). (Set the REC INHIBIT SW to ON, and press the “PLAY” button.
3. Select “<1> Sensitivity Measurement on the LISTA main menu. When displayed “1.2% Speed...”, and press the “ENTER” button. Then sensitivity data measurement starts.
4. Sensitivity value appear on the monitor, and confirm that the menu within specification.



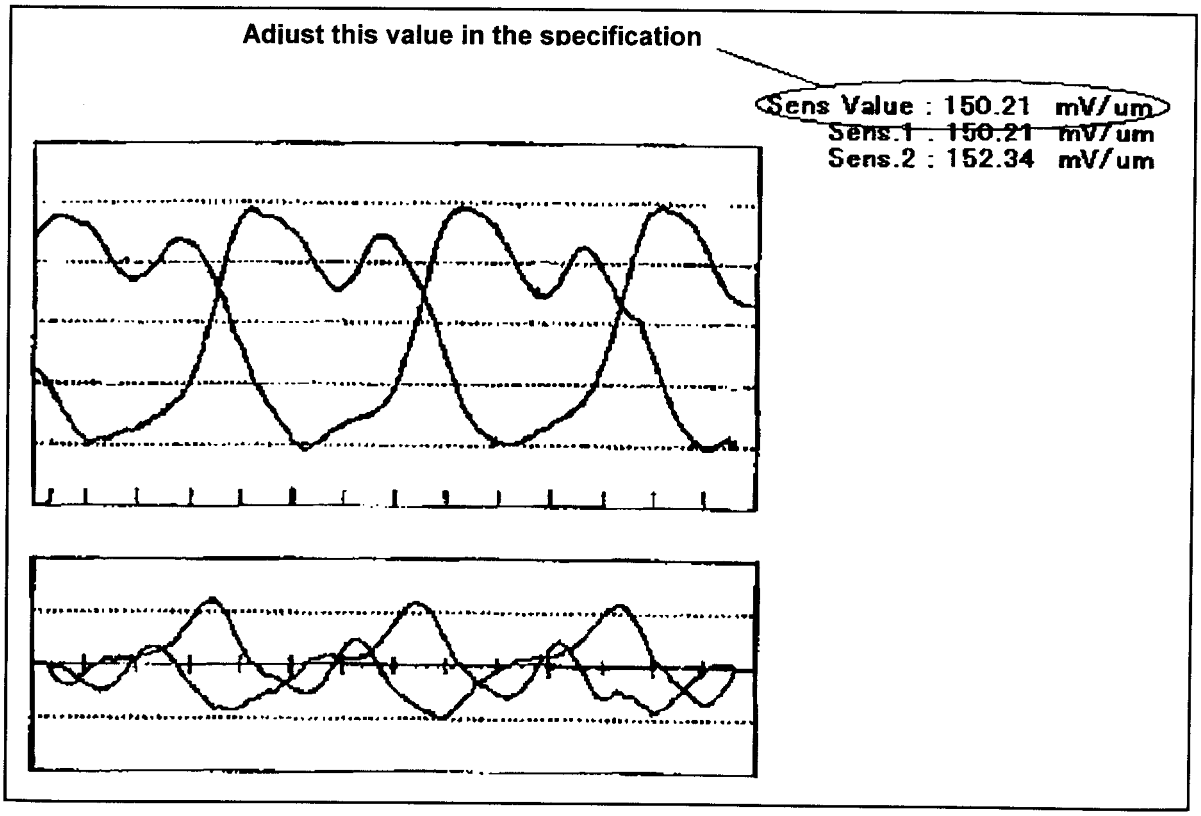
Adjust this value in the specification

```
Sens. Value : 130.47 mV/um
Sens.1      : 142.45 mV/um
Sens.2      : 118.49 mV/um
```

1-44. LISTA Sensitivity Adjustment (R/P Head : 50Mode)

SPEC	Sensitivity:150±15 (mV/um)
MODE	PLAY
TEST	TP13 (RF) TP903 (RF) R/P HSW TG901 (RF) GND (SERVO : F1)
ADJ.	A08 : RP GAIN 50M (SERVO ADJUST)
TAPE	VFM3581KM (NTSC) or VFM3681KM (PAL)

1. Set the LISTA software to 50M Mode ; After LISTA boot up, select model and displayed main menu. Every time press "0", every time change. [25M ⇔ 50M]
2. Open the "SET – UP menu", and set the "# 012" to "422", "# 013" to "MANUAL".
3. Open the "SERVO ADJUST" on service menu, and select "A08 : RP GAIN 50M".
4. Playback the alignment tape.(NTSC: VFM3581KM or PAL: VFM3681KM)
5. Select "<6> ATF Error Signal Monitor" on the LIST main menu. When displayed "1.2% Speed…", and press the "ENTER" button. Then displayed real time sensitivity data.
6. When appeared waveform on the monitor as shown below, adjust ATF gain so that the " Sens. Value : " on the upper right on the monitor is within specification. When complete the adjustment, press the "ESC" button and back to main menu.



Adiust this value in the specification

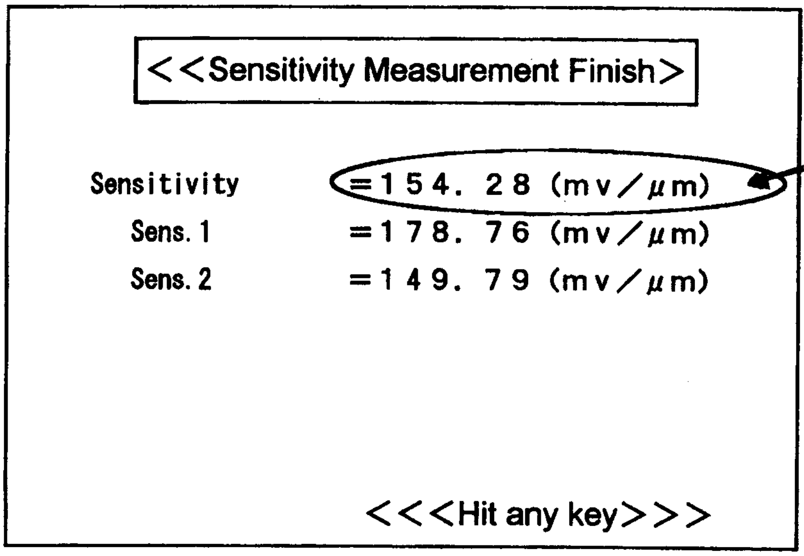
```
Sens Value : 150.21  mV/um
Sens.1 : 150.21  mV/um
Sens.2 : 152.34  mV/um
```

1-45. LISTA Sensitivity Detection (R/P Head : 50M Mode)

SPEC	Sensitivity:150±15 (mV/um)
MODE	PLAY
TEST	TP13 (RF) TP903 (RF) R/P HSW TG901 (RF) GND (SERVO : F1)
ADJ.	A08 : RP GAIN 50M (SERVO ADJUST)
TAPE	VFM3581KM (NTSC) or VFM3681KM (PAL)

Note: This item execute after complete "1-44. LISTA Sensitivity Adjustment (R/P Head : 50M Mode)".

1. Confirm that the "A08 : RP GAIN 50M" has selected on service menu.
2. Playback the alignment tape (NTSC: VFM3581KM or PAL: VFM3681KM). (Set the REC INHIBIT SW to ON, and press the "PLAY" button.)
3. Select "<1> Sensitivity Measurement" on the LISTA main menu. When displayed "1.2% Speed...", and press the "ENTER" button. Then sensitivity data measurement starts.
4. Sensitivity value appear on the monitor, and confirm that the menu within specification.



```
<<Sensitivity Measurement Finish>

Sensitivity    =154. 28 (mv/μm)
   Sens. 1     =178. 76 (mv/μm)
   Sens. 2     =149. 79 (mv/μm)




                 <<<Hit any key>>>
```

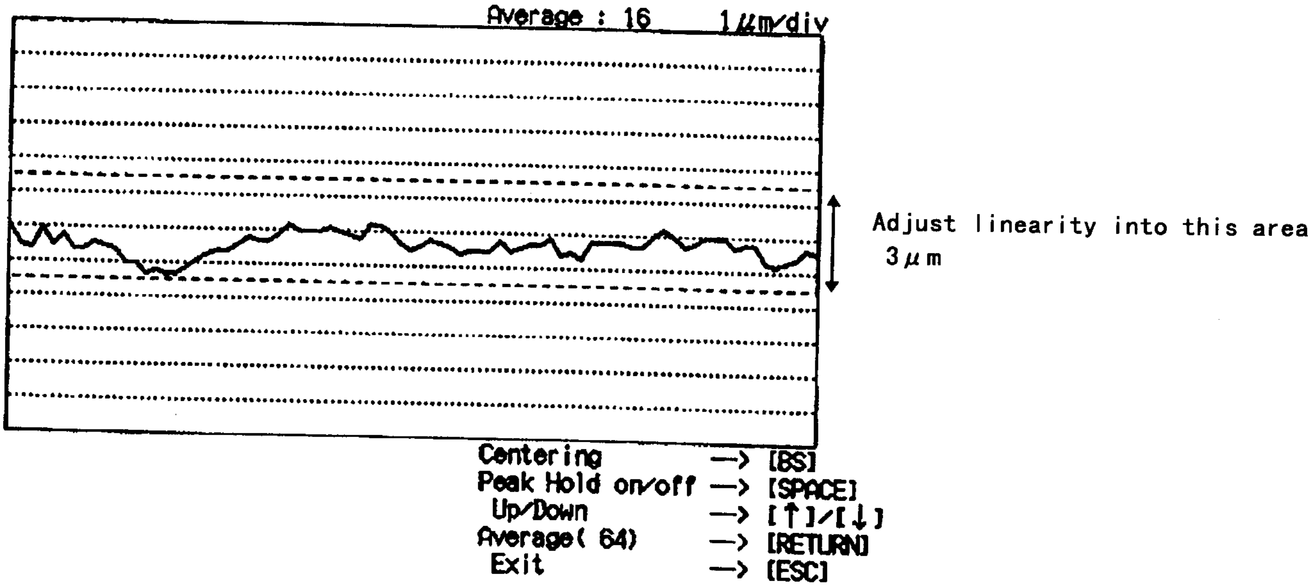
Confirm this value

1-46. LISTA Linearity Adjustment and Waving Measurement (50M Mode)

SPEC	Linearity: Less than 3um, Waving: Less than 1.5um
MODE	A09 : RP LIN 50M (SERVO ADJUST)
TEST	TP13 (RF) TP903 (RF) R/P HSW TG901 (RF) GND (SERVO : F1)
ADJ.	S1 and T1 Post Height
TAPE	VFM3581KM (NTSC) or VFM3681KM (PAL)

1. Open the SERVO ADJUST menu on Service menu and select the " A09 : RP LIN 50M "
2. Playback the LISTA alignment tape (NTSC: VFM3581KM or PAL: VMF3681KM).
3. Select the item " <2> Linearity Measurement " on the LISTA main menu and display the linearity waveform.
4. When the waveform as shown as below figure is displayed on the screen, press the " BS (back space) " key for display the waveform to center of scale on the screen. And adjust height of S1 and T1 post by Post Driver so that the linearity waveform is become flat as possible, and it should be in the specification.

★ Adjust linearity waveform in the red dot line on the screen.



☆ **POINT:**

The part of left side of waveform(entrance side) is adjusted by height of S1 post and part of right side of waveform(exit side) is adjusted by height of T1 post.

Lower part of above waveform of figure is displayed lead on Cylinder.

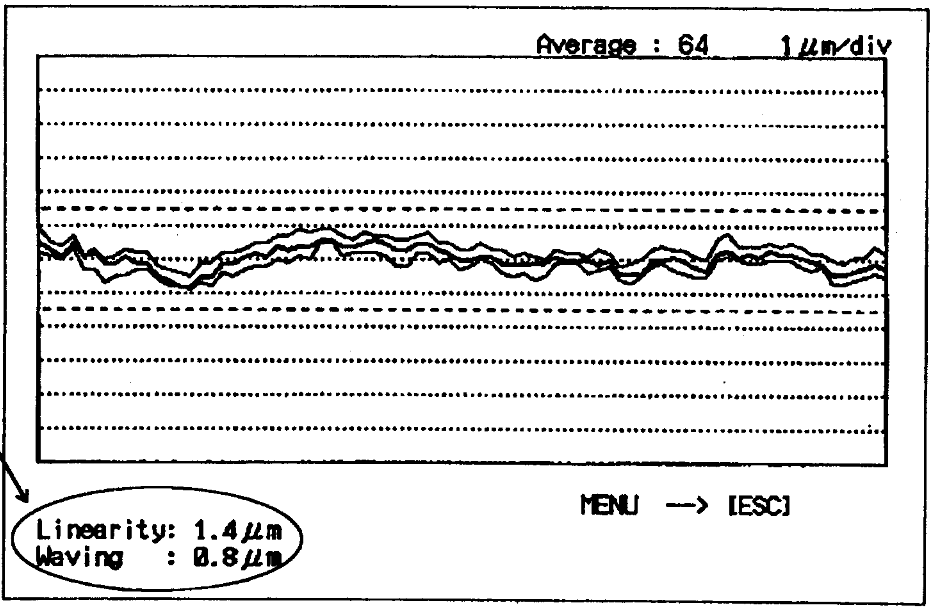
When the post driver is remove from upper part of post, linearity waveform is changed.

After finish this adjustment, eject the tape and insert the tape again for confirm the shape of linearity waveform does not changed.

5. After finish the linearity adjustment, execute the Waving Measurement.

* [Waving Measurement]

1. Press "SPACE " key for make the Peak Hold during 30 seconds, when linearity is displayed.
2. After finish the Peak Hold, press "SHIFT" and "}" key simultaneously on the Key Board, then display the values of 「Waving」 on lower left of screen. And confirm the numerical values are in the specification. Also confirm the range of waving waveform is same quantity from entrance side to exit side. If the 「Linearity」 and 「Waving」 are out of specification and it caused by not enough limit of entrance or exit side of envelope, then adjust height of S1 and T1 post.
3. After this measurement is finished, press ESC key for return to main menu.



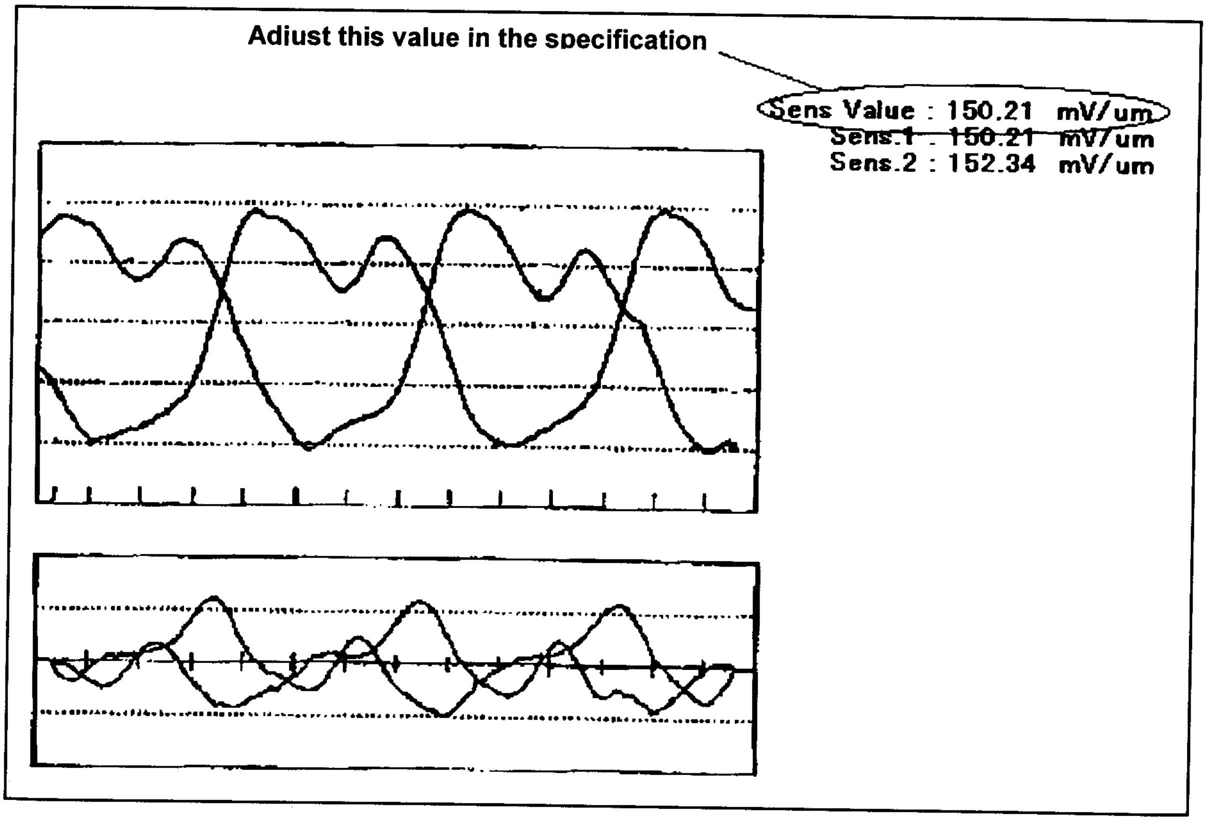
```
Average : 64    1µm/div

Linearity: 1.4µm          MENU --> [ESC]
Waving   : 0.8µm
```

Confirm this Value

1-47. LISTA Sensitivity Adjustment (PB HEAD : 50M Mode)

SPEC.	Sensitivity:150±15 (mV/um)
MODE	PLAY
TEST	TP13 (RF) TP905 (RF) PB HSW TG901 (RF) GND (SERVO : F1)
ADJ.	A10 : PB GAIN 50M (SERVO ADJUST)
TAPE	VFM3581KM (NTSC) or VFM3681KM (PAL)

1. Open the SERVO ADJUST menu on Service menu and select the " A10 : PB GAIN 50M "
2. Playback the LISTA alignment tape (NTSC: VFM3581KM or PAL: VFM3681KM).
3. Select the item " <6> ATF Error Monitor " on the LISTA main menu. When displayed "1.2 Speed...", and press the "ENTER" button. Then displayed real time sensitivity data.
4. When appeared waveform on the monitor as shown below, adjust ATF gain so that the "Sens.Value" on the upper right on the monitor is within specification. When complete the adjustment, press the "ESC" button and back to main menu.



Adjust this value in the specification

```
Sens Value : 150.21  mV/um
Sens.1     : 150.21  mV/um
Sens.2     : 152.34  mV/um
```

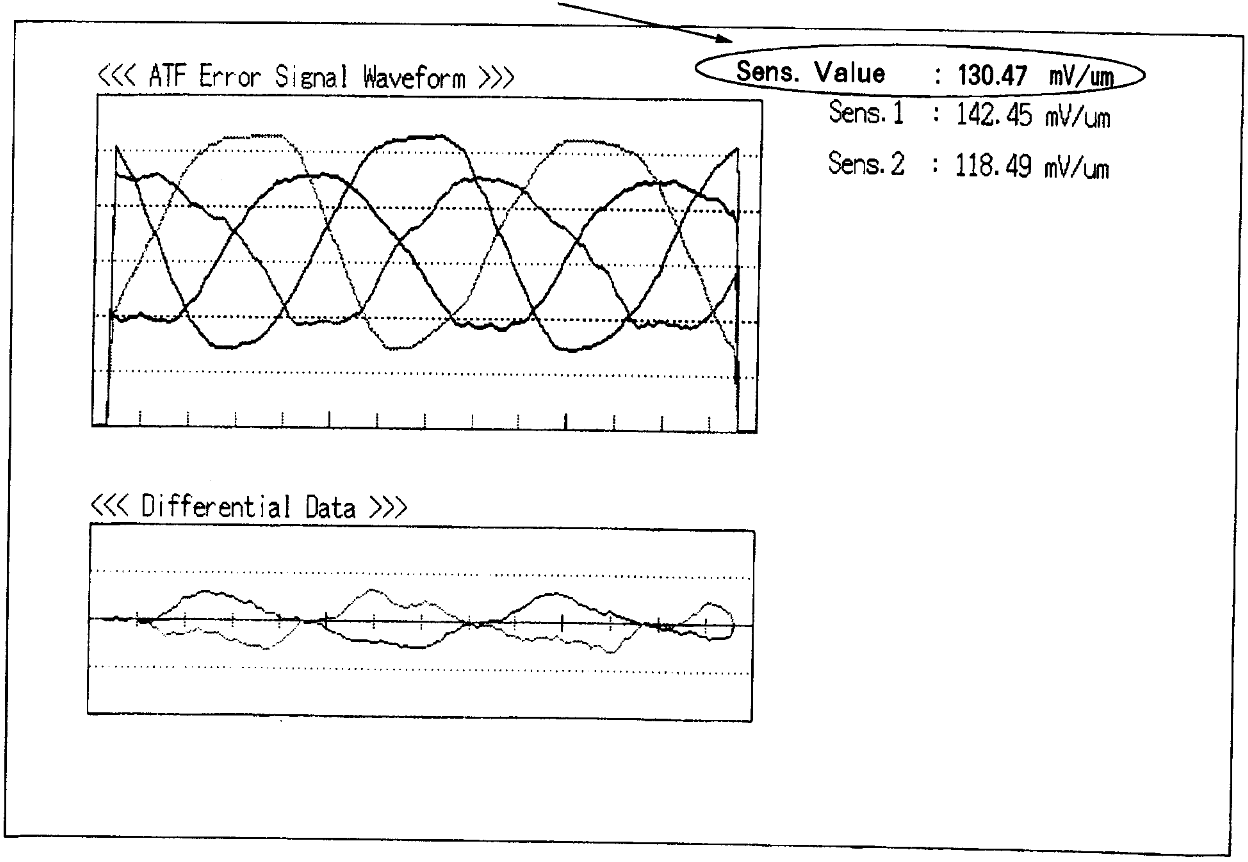
1-48. LISTA Sensitivity Detection (PB : 50M Mode)

SPEC.	Sensitivity:150±15 (mV/um)
MODE	PLAY
TEST	TP13 (RF) TP905 (RF) PB HSW TG901 (RF) GND (SERVO : F1)
ADJ.	A14 : RP GAIN 25M (SERVO ADJUST)
TAPE	VFM3581KM (NTSC) or VFM3681KM (PAL)

Note: This item execute after complete "1-47. LISTA Sensitivity Adjustment (PB Head : 50M Mode)".

1. Confirm that the "A10 : PB GAIN 50M" has selected on service menu.
2. Playback the alignment tape (NTSC: VFM3581KM or PAL: VFM3681KM). (Set the REC INHIBIT SW to ON, and press the "PLAY" button.
3. Select "<1> Sensitivity Measurement on the LISTA main menu. When displayed "1.2% Speed...", and press the "ENTER" button. Then sensitivity data measurement starts.
4. Sensitivity value appear on the monitor, and confirm that the menu within specification.

Adjust this value in the specification



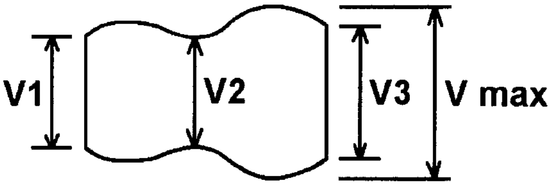
```
Sens. Value  : 130.47  mV/um
Sens.1       : 142.45  mV/um
Sens.2       : 118.49  mV/um
```

1-49. Self - Recording Playback Envelope Waveform Confirmation

SPEC	V1/Vmax、V2/Vmax、V3/Vmax ≧ 0.8
TEST	TP401 R/P ENV L : H3 / R : H4
ADJ.	S1、T1 Post Height
MODE	PLAY(ATF)
TAPE	VFM3581KM (NTSC) or VFM3681KM (PAL)
M.EQ	Oscilloscope
TOOL	VFK1149(Post Driver)

1. Playback the alignment tape.
2. Confirm that the R/P ENV output is within specification.

※R / P Envelope output setting is refer to “1-17. ENV Waveform Adjustment”.



2. Mechanical Parts Replacement and Adjustment Procedures

GENERAL

When mechanical parts are replaced, pay attention to the following notes.

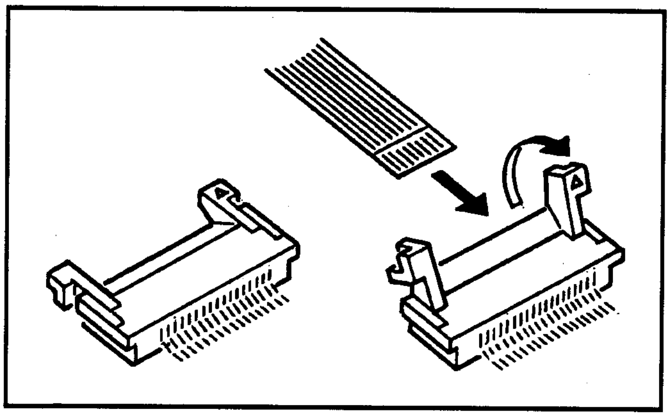
1. Turn power off before replacing any part.
2. If any adjustment is required after replacing parts, perform the required adjustments.
3. Use proper fixture tools.
4. Make sure to clean the parts after replacement, Also when the mechanical parts are replaced, follow the replacement procedure.

2-1. Cylinder Unit Replacement

(Removal)

1. Please refer to Disassembly Procedures of Section 2 about removal.

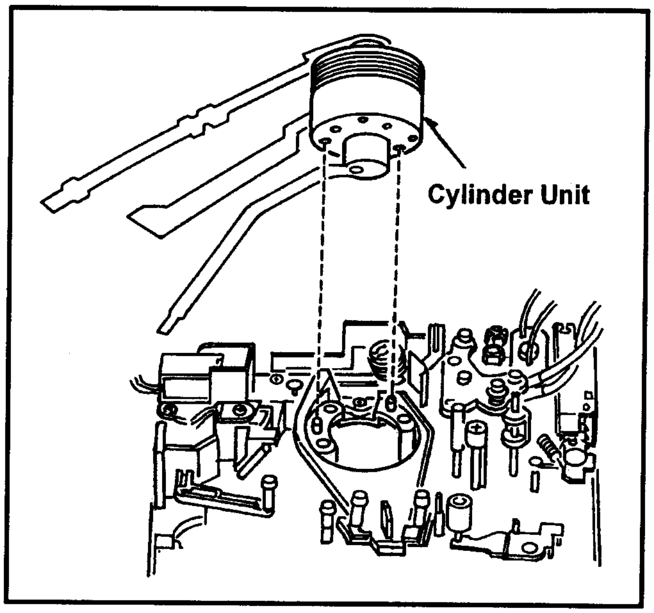
Note: Be careful when removing the flexible cable from the connector. Do not touch the cylinder surface by finger directly.



(Installation)

1. Install a Cylinder unit as reverse order of its removal.

Note: Set the Mechanical Chassis pins are matched with the specified cylinder holes on the bottom of the cylinder.



2. After installing T1 Guide, T1 Guide position adjustment is necessary. (Refer to item " 2-2. Cleaning Arm Unit Replacement" and "2-3. T1 Guide Position Adjustment".)

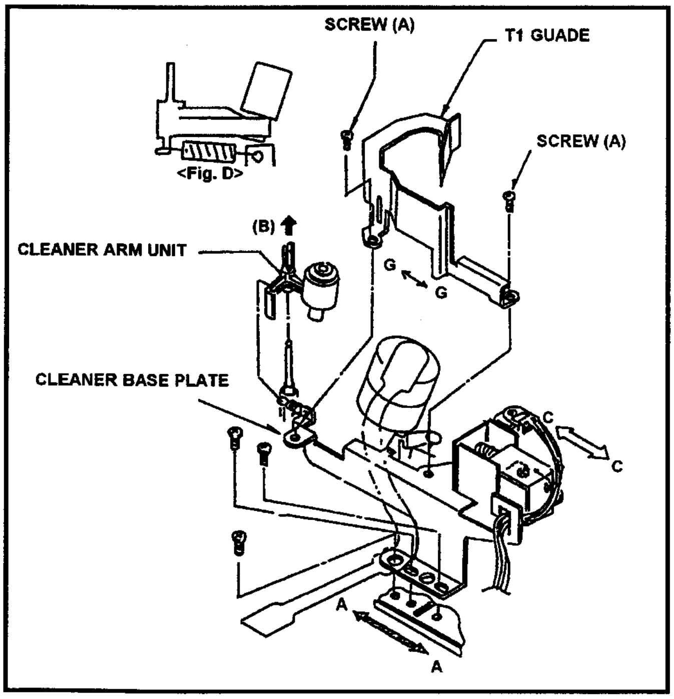
2-2. Cleaning Arm Unit Replacement

(Removal)

1. Unscrew the 2 screws (A) to remove the T1 Guide.
2. Pick up the tip portion (B) of Cleaning Arm Unit and remove the spring from Cleaner Arm Unit. Then remove the Cleaning Arm Unit.

(Installation)

1. Install the cleaning Arm Unit, then hang the spring on Cleaning Arm Unit.
2. Press the iron core of the Cleaner Solenoid and confirm that the Cleaner Roller is rotated when the cylinder is rotated.
3. Install the T1 Guide.
4. T1 Guide position adjustment should be performed.



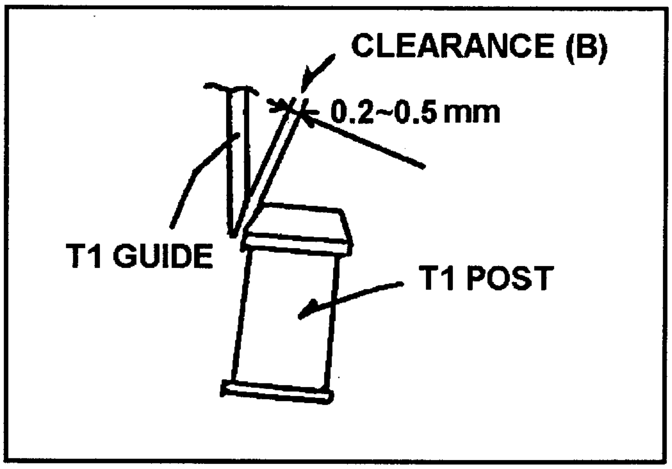
2-3. T1 Guide Position Adjustment

1. Place the unit in Loading completion mode without tape.

< How to Make the No Tape Loading >

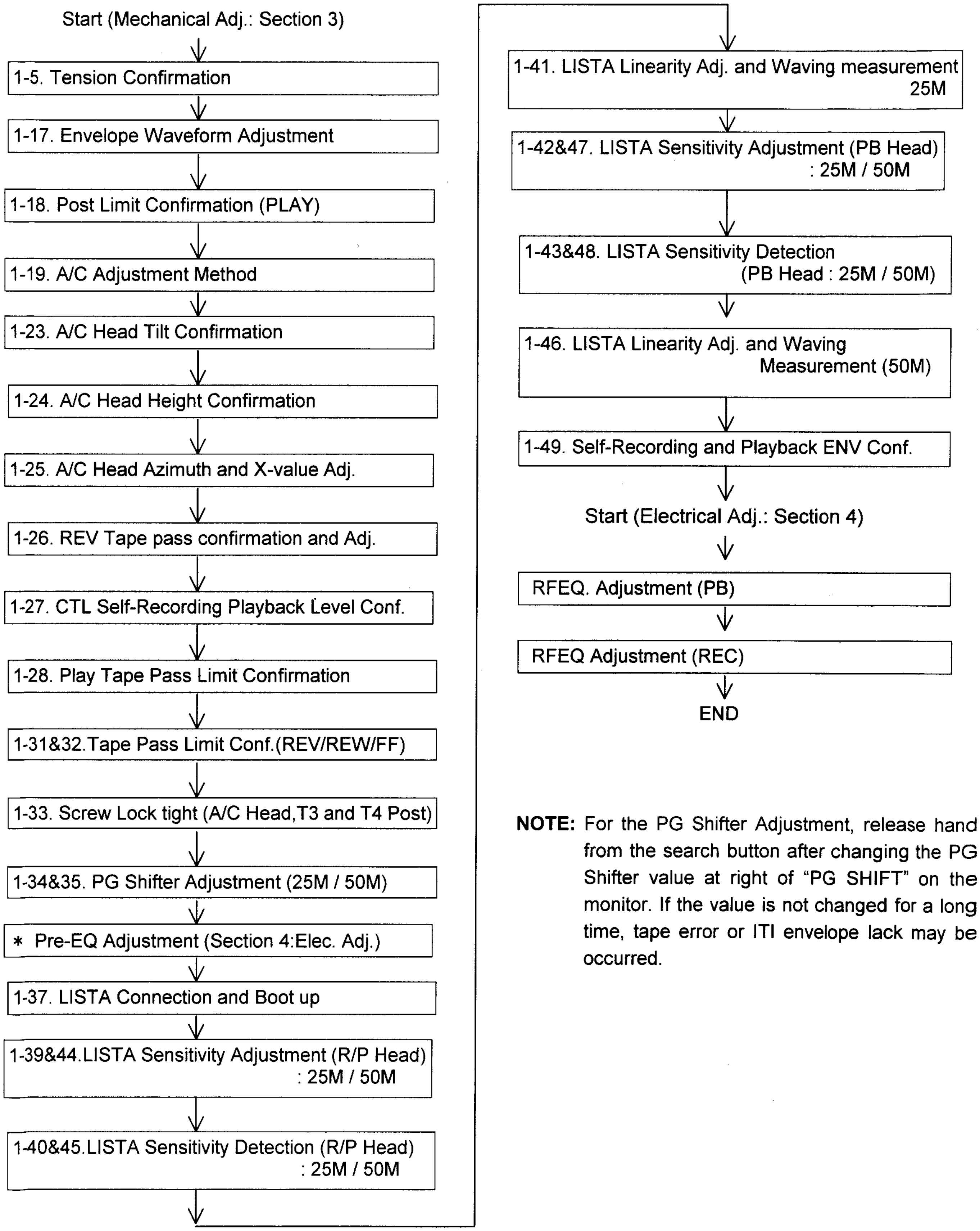
- Open the " SERVO ADJUST " menu in the Service menu.
- Select the item " T TORQUE " and press the Search button for making the loading condition. And turn power to off.

2. Observe the clearance (B) between T1 Guide and T1 post. And make sure that it is within 0.2 to 0.5mm.
3. If not, loosen the 2 screws (A) and adjust the position of T1 Guide by moving to arrow direction (G ⇔ G) so that the clearance (B) is within specification. And tighten the 2 screws (A).



2-4. Adjustment Flowchart after Cylinder Unit Replacement

1. Adjust following items after Cylinder Unit replacement.


Start (Mechanical Adj.: Section 3)
1-5. Tension Confirmation
1-17. Envelope Waveform Adjustment
1-18. Post Limit Confirmation (PLAY)
1-19. A/C Adjustment Method
1-23. A/C Head Tilt Confirmation
1-24. A/C Head Height Confirmation
1-25. A/C Head Azimuth and X-value Adj.
1-26. REV Tape pass confirmation and Adj.
1-27. CTL Self-Recording Playback Level Conf.
1-28. Play Tape Pass Limit Confirmation
1-31&32.Tape Pass Limit Conf.(REV/REW/FF)
1-33. Screw Lock tight (A/C Head,T3 and T4 Post)
1-34&35. PG Shifter Adjustment (25M / 50M)
* Pre-EQ Adjustment (Section 4:Elec. Adj.)
1-37. LISTA Connection and Boot up
1-39&44.LISTA Sensitivity Adjustment (R/P Head) : 25M / 50M
1-40&45.LISTA Sensitivity Detection (R/P Head) : 25M / 50M
1-41. LISTA Linearity Adj. and Waving measurement 25M
1-42&47. LISTA Sensitivity Adjustment (PB Head) : 25M / 50M
1-43&48. LISTA Sensitivity Detection (PB Head : 25M / 50M)
1-46. LISTA Linearity Adj. and Waving Measurement (50M)
1-49. Self-Recording and Playback ENV Conf.
Start (Electrical Adj.: Section 4)
RFEQ. Adjustment (PB)
RFEQ Adjustment (REC)
END

NOTE: For the PG Shifter Adjustment, release hand from the search button after changing the PG Shifter value at right of “PG SHIFT” on the monitor. If the value is not changed for a long time, tape error or ITI envelope lack may be occurred.

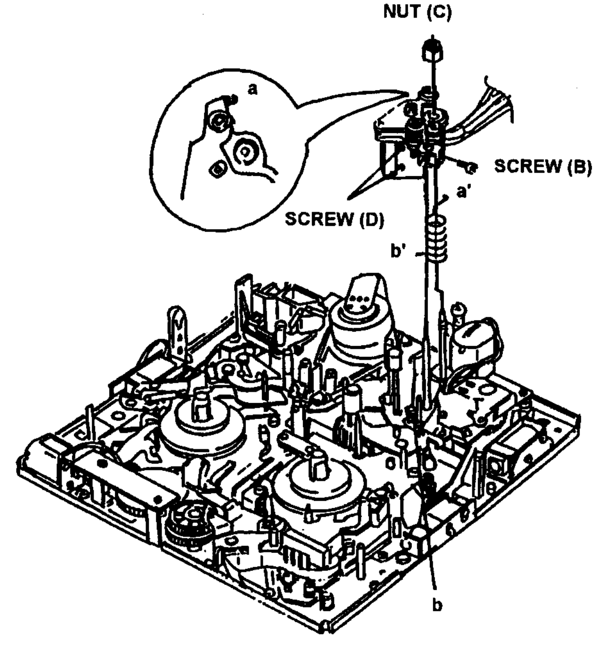
2-5. A/C Head Replacement

Replacement

※ Required tools:
Nut Driver (5.5m/m)(VFK1150)
Hex Driver (VFK1148)
Hex Wrench (VFK1190)

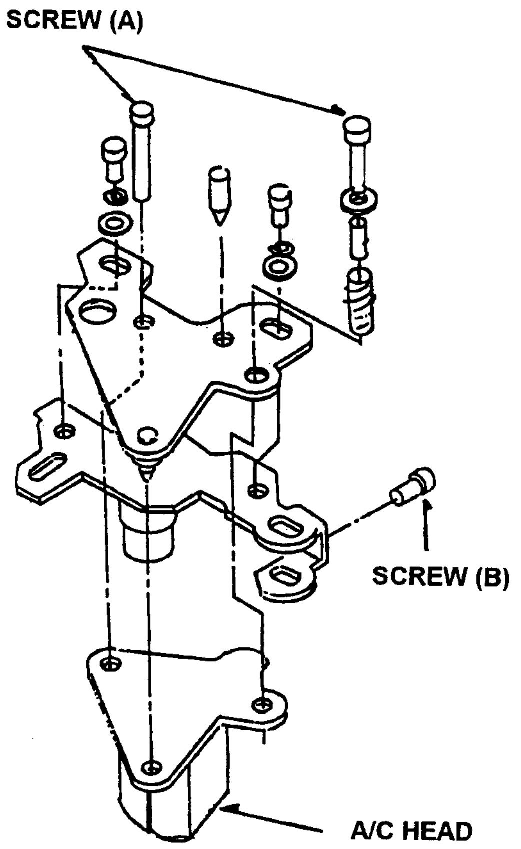
(Removal)

1. Remove the Top Plate.
2. Loosen the hex. screw (B) and remove the Nut (C). Pick up the Head Height Adjustment Spring and then remove the A/C Head Unit as shown in Figure
   Point: Memorize the height of Nut (C) before removing the Nut (C),



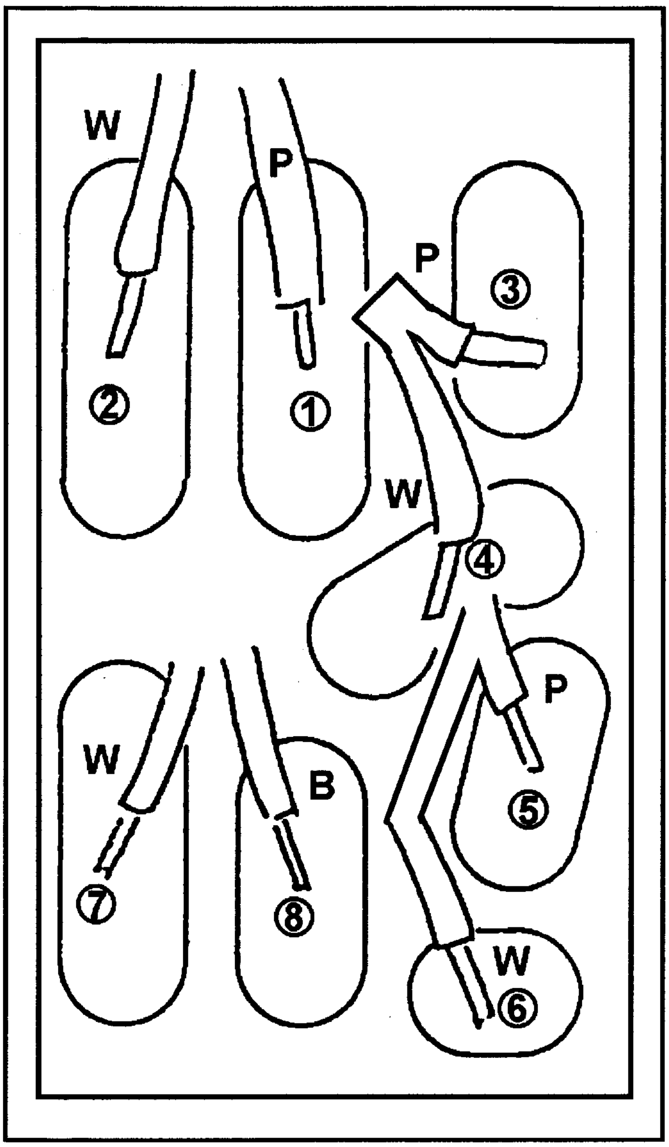
3. Remove the 2 screws (A). and disconnect the 2 connectors P1 on the A/C Head I/F P.C.Board and P2030 on the Mech I/F P.C.Board, and then remove the A/C Head from the A/C Head Plate.
4. Remove 2 screws (D) to remove the Shield Cover .
5. Unsolder the lead wires.

Note: When unsolder the lead wires, do not unsolder all at the same time.)



(Installation)

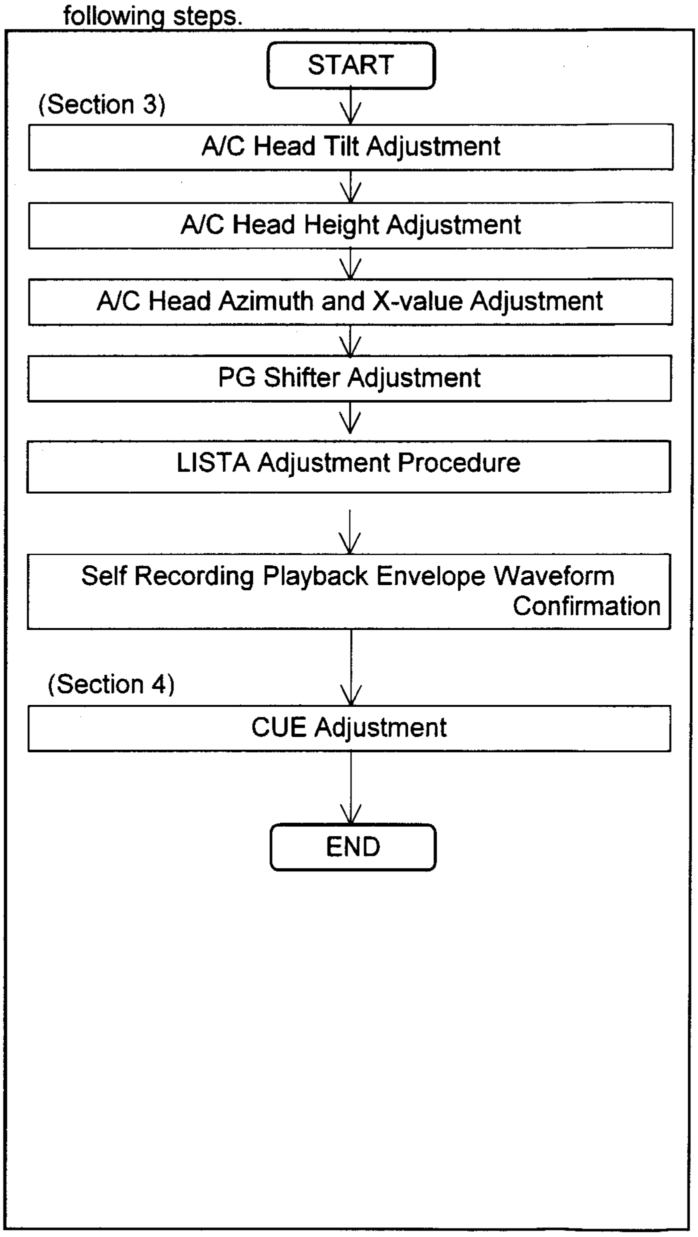
1. Remove the Shield Case from the New A/C Head and solder the lead wires to New A/C Head.
2. Re-install the shield case to A/C Head.
3. Install the A/C Head to A/C Head Plate and tighten 2 screws (A) so that A/C Head is parallel to A/C Head Plate.
4. Install the A/C Head Unit.
5. Put on the Head Height Adjustment Spring and tighten the Nut (C).
6. Clean the surface of the A/C Head.
7. Perform the A/C Head adjustment.


W
P
P
③
②
①
W
④
W
P
B
⑤
⑦
⑧
W
⑥

A/C Head Side	Cable Color		Connector No.
1	PINK	YELLOW	P1
2	WHITE		
3	PINK	RED	
4	WHITE		
5	PINK	GREEN	
6	WHITE		
7	WHITE	YELLOW	P30
8	BLACK		

2-6. Adjustment Flowchart After A/C Head Replacement

1. After installing, Mechanical and Electrical Adjustments should be performed.
   NOTE: The **hex screw (B)** is kept loose until the A/C Head Height Adjustment is completed.
2. After replacing the A/C Head, perform the following steps.


START
(Section 3)
A/C Head Tilt Adjustment
A/C Head Height Adjustment
A/C Head Azimuth and X-value Adjustment
PG Shifter Adjustment
LISTA Adjustment Procedure
Self Recording Playback Envelope Waveform Confirmation
(Section 4)
CUE Adjustment
END

2-7. Supply Reel Rotor Unit and Take Up Reel Rotor Unit Replacement

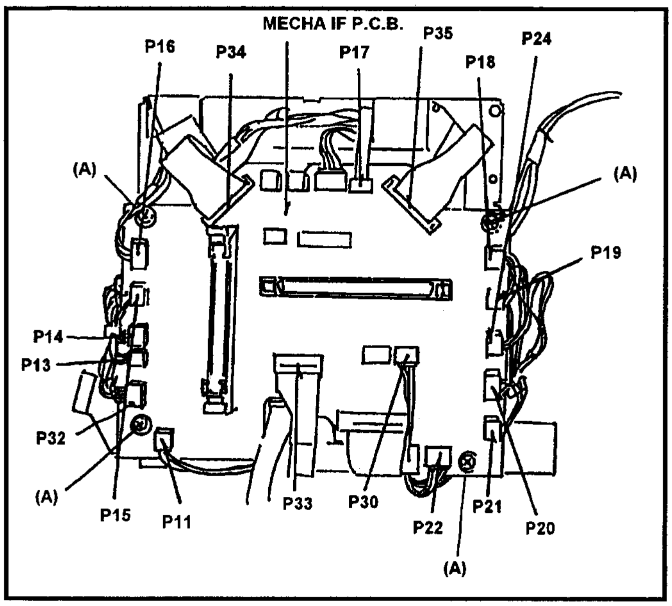
(Removal)

1. Remove the Top Panel.
2. Remove the Front Loading Unit.
3. Remove the Bottom Panel.
4. Disconnect the connector P34 and P35 on the Mech I/F P.C.Board.
5. Move the S1 post to loading direction by manual ejecting method until the screw (C) can removing position.
6. Confirm the supply and Take Up Brake are not release.
7. Press the iron core of M stopper solenoid to release the M stopper.
8. Remove the 4 screws (C), (D) and (E).
9. Remove the Supply and Take Up Reel Rotor Unit and Reel Outer Rail.

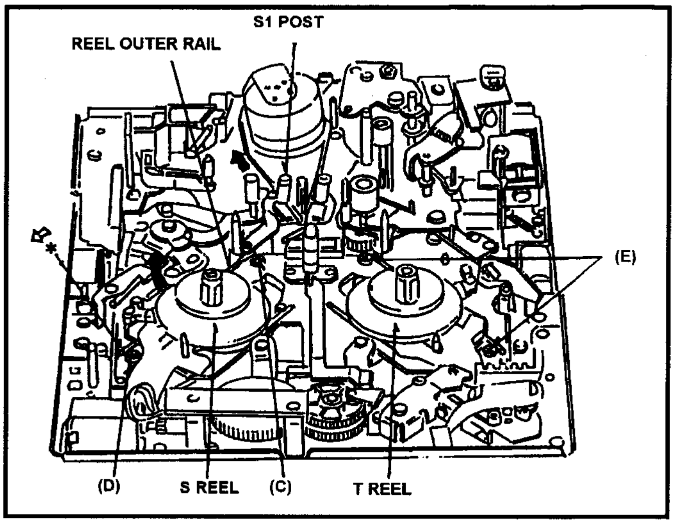
   Note: Memorized the groove position of Reel Base, which inserted the pin of Drive Arm Unit.

(Installation)

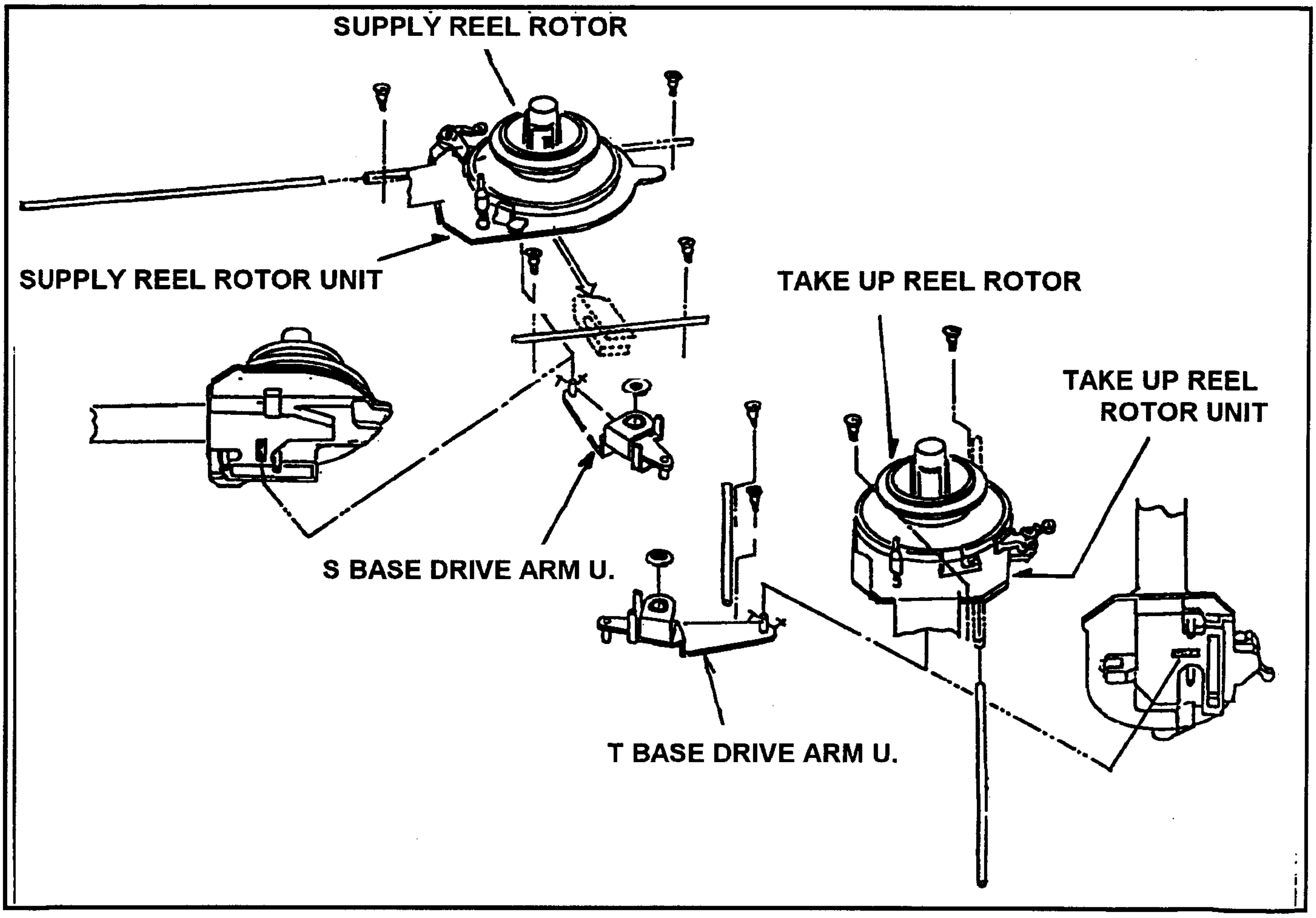
1. Through in the Reel Outer Rail to New Supply and Take Up Reel Rotor Unit.
2. Hang on the Reel Rotor Unit to Reel Inner Rail and Install the Reel Rotor Unit then the pin of Drive Arm Unit should be matched with groove position of Reel Base.
3. Install the 4 screws (C), (D) and (E).
4. Confirm that the Reel Rotor Unit moving smoothly on the Rail by hard.
5. Move the Reel Rotor Unit to front side by hand and then pull up the iron core of M stopper solenoid for operating M stopper.
6. Set the unloading condition by turn the Emergency shaft counter-clockwise.
7. Connect the Flexible Cable to Connector P34 and P35 on the Mech I/F P.C.Board.
8. Confirm the main break torque. (Refer to item 1-5.)
9. Adjust the Motor Torque Offset value (Refer to item 1-6 and 1-7).
10. Confirm that the Tension value on playback mode (Refer to item 1-15).


MECHA IF P.C.B.
P16
P34
P17
P35
P18
P24
(A)
(A)
P19
P14
P13
P32
(A)
P15
P11
P33
P30
P22
P21
P20
(A)

Connection of S & T Reel Rotor Unit


S1 POST
REEL OUTER RAIL
(E)
(D)
S REEL
(C)
T REEL

Removal of S & T Reel Rotor Unit


SUPPLY REEL ROTOR
SUPPLY REEL ROTOR UNIT
TAKE UP REEL ROTOR
TAKE UP REEL ROTOR UNIT
S BASE DRIVE ARM U.
T BASE DRIVE ARM U.

Installation of S & T Reel Rotor Unit

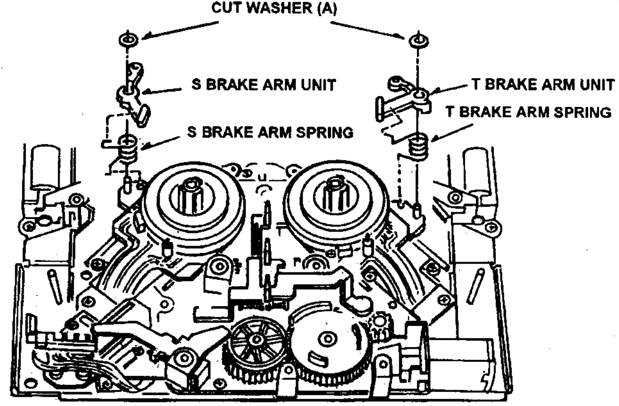
2-8. Supply and Take Up Brake Arm Unit Replacement

(Removal)

1. Remove the Top Panel.
2. Remove the Front Loading Unit.
3. Press the iron core of Brake Solenoid for release the Brake.
4. Remove the cut washers (A) and remove the supply and Take Up Brake Arm Unit as shown below.

(Installation)

1. When install the new Brake Arm Unit first, hang on the Brake Arm Spring as shown in below figure. Follow the previous steps in reverse order.
2. Main Brake Torque confirmation is required (Refer to item 1-5).
3. Confirm that the Tension value on the Playback mode (Refer to item 1-15).

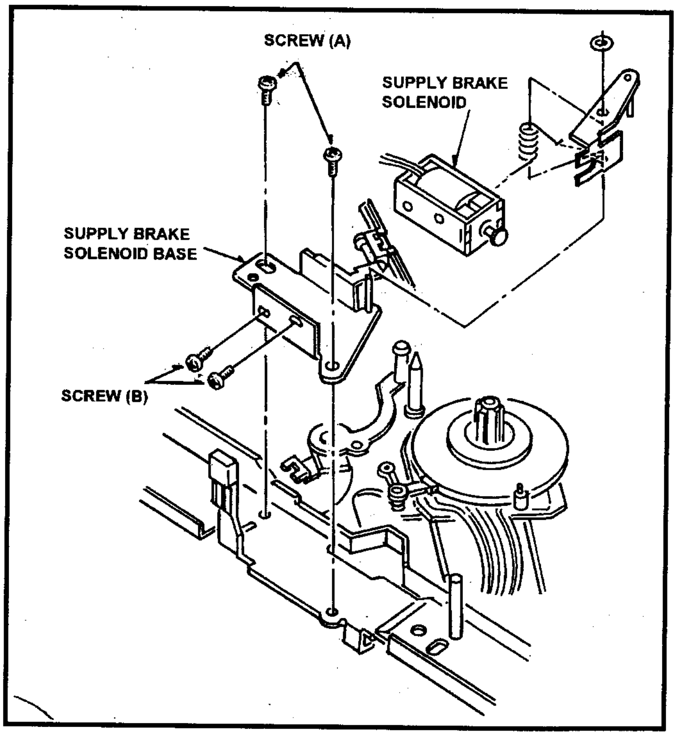

CUT WASHER (A)
S BRAKE ARM UNIT
T BRAKE ARM UNIT
T BRAKE ARM SPRING
S BRAKE ARM SPRING

Removal of S & T Break Arm Unit

2-9.Supply Brake Solenoid Replacement and Adjustment

(Removal)

1. Remove the Top Panel.
2. Remove the Front Loading Unit.
3. Remove the Bottom Panel.
4. Disconnect the connector P15 on the Mech I/F P.C.Board.
5. Unscrew the 2 screws (A) and remove the Supply Brake Solenoid Base Unit as shown below figure.
6. Unscrew the 2 screws (B) and remove the supply Brake Solenoid from Supply Brake Solenoid Base Unit.


SCREW (A)
SUPPLY BRAKE SOLENOID
SUPPLY BRAKE SOLENOID BASE
SCREW (B)

Removal of Supply Brake Solenoid

(Installation)

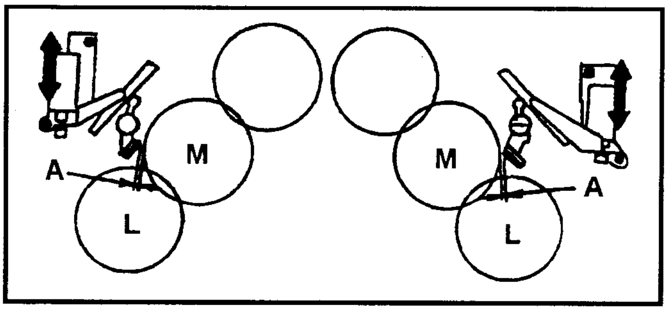
1. Install the new supply Brake Solenoid follow the removal steps in reverse order.

Note: Hang on the Supply Brake Spring as shown in above Figure.

2. Adjustment is required after installation.

(Adjustment)

1. Place the reels in the M cassette size position.
2. Observe the clearance (A) between Brake pad and it's turntable as shown in below Figure. And make sure that it is within 0.2 to 0.5mm.
3. If not, loosen the 2 screws (A), which fixed supply and Take Up Brake Solenoid Unit. And adjust the position of Brake Solenoid Unit by moving arrow direction so that the clearance (A) is within specification. And tighten the 2 screws (A).
4. After adjustment, change the reel position to L cassette size, and confirm that the clearance (A) is within specification.

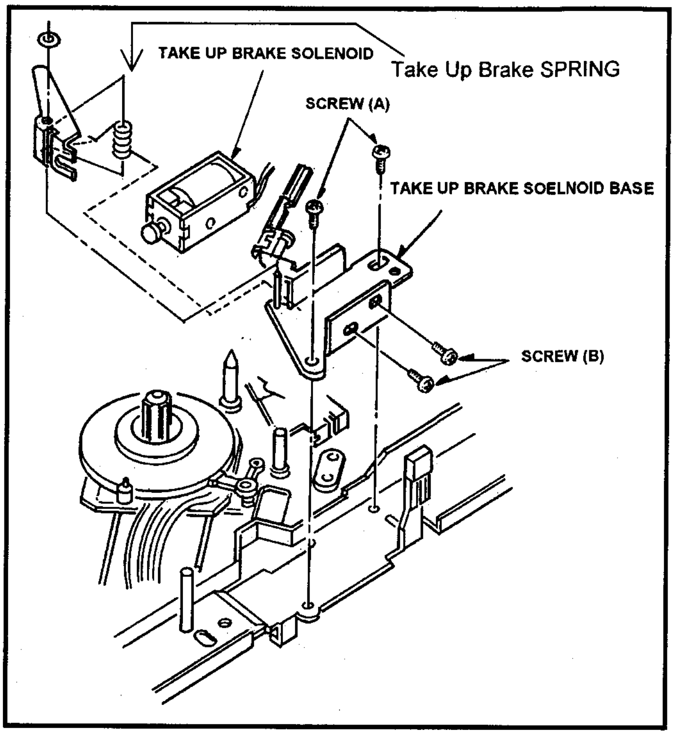


Brake Solenoid Adjustment

2-10. Take Up Brake Solenoid Replacement and Adjustment

(Removal)

1. Remove the Top Panel.
2. Remove the Front Loading Unit.
3. Remove the Bottom Panel.
4. Disconnect the connector P18 on the Mech I/F P.C.Board.
5. Unscrew the 2 screws (A) and remove the Take Up Brake Solenoid Base Unit as shown in below Figure.
6. Unscrew the 2 screws (B) and remove the Take Up Brake Solenoid from Take Up Brake Solenoid Base Unit as shown in below Figure.



Removal of Take Up Brake Solenoid

(Installation)

1. Install the new Take up Brake Solenoid follow the removal steps in reverse order.

Note: Hang on the Take up Brake Spring as shown in above Figure.

2. Please adjust the position of Take up Brake Solenoid Unit follow the adjustment procedure, which is described item 2-9.

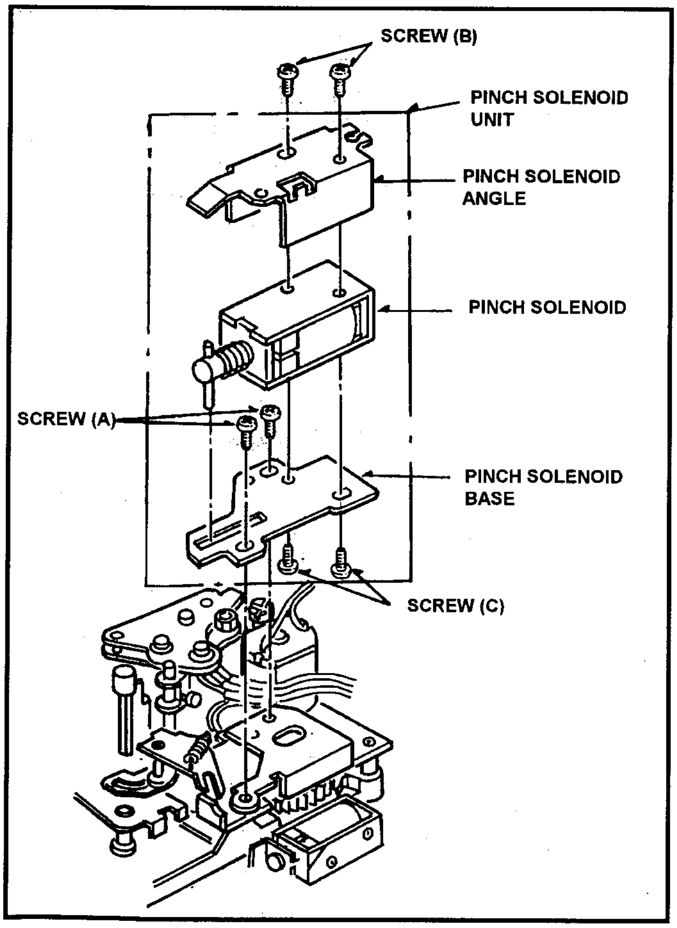
2-11. Pinch Solenoid Replacement

(Removal)

1. Remove the Top Panel.
2. Remove the Front Loading Unit.
3. Remove the Bottom Panel.
4. Unscrew the 2 screws (A) and remove the Pinch Solenoid Unit as shown in below.
5. Unscrew the 2 screws (B) and remove the Pinch Solenoid Angle as shown in below.
6. Unscrew the 2 screw s (C) and remove the Pinch Solenoid from the Pinch Solenoid Base.

(Installation)

1. Install the new Pinch Solenoid follow the removal steps in reverse order.
2. After installation, Pinch Solenoid Position Adjustment is required (Refer to item 1-2).


SCREW (B)
PINCH SOLENOID UNIT
PINCH SOLENOID ANGLE
PINCH SOLENOID
SCREW (A)
PINCH SOLENOID BASE
SCREW (C)

Removal Pinch Solenoid

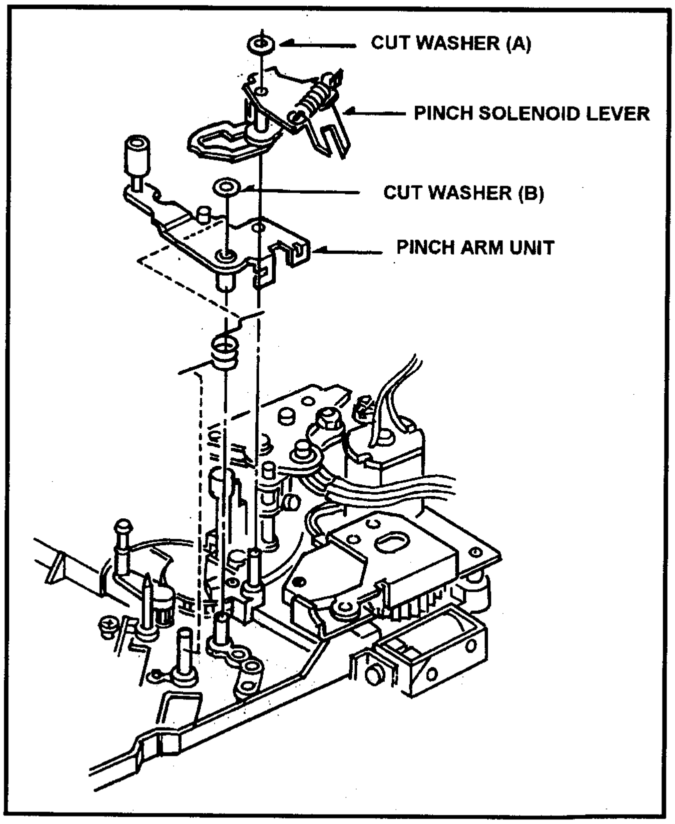
2-12. Pinch Arm Unit Replacement

(Removal)

1. Remove the Top Panel.
2. Remove the Front Loading Unit.
3. Remove the Bottom Panel.
4. Disconnect the connector P20 on the Mech I/F P.C.Board.
5. Unscrew the 2 screws (A) and remove the Pinch Solenoid Unit.
6. Remove the cut washer (B) and remove the Pinch Solenoid Lever as shown below.
7. Remove the cut washer (C) and remove the Pinch Arm Unit as shown below.

(Installation)

Install the new Pinch Arm Unit follow the removal steps in reverse order then Pinch Solenoid Position Adjustment is necessary (Refer to item 1-2).


CUT WASHER (A)
PINCH SOLENOID LEVER
CUT WASHER (B)
PINCH ARM UNIT

Removal of Pinch Arm Unit

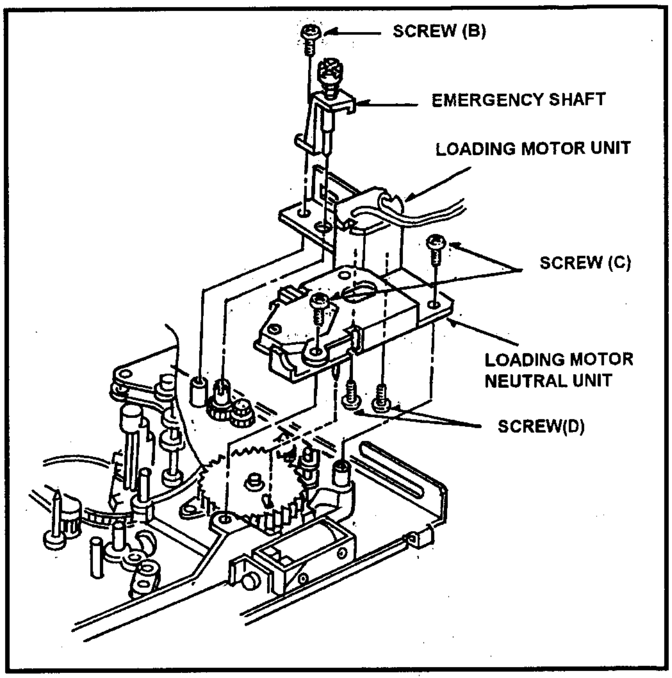
2-13. Loading Motor Unit Replacement

(Removal)

1. Remove the Top Panel.
2. Remove the Front Loading Unit.
3. Remove the Bottom Panel.
4. Disconnect the connector P21 on Mech I/F P.C.Board.
5. Remove the Pinch Solenoid Unit (Refer to item 2-11).
6. Unscrew the screw (B), and remove the Emergency Shaft as shown in below.
7. Unscrew the 2 screws (C) and remove the Loading Motor Neutral Unit as shown in below.
8. Unscrew the 2 screws (D) and remove the Loading Motor Unit as shown in below.

(Installation)

1. Install the new Loading Motor Unit to Loading Motor Neutral Unit by tightening 2 screws (D).
2. Install the Loading Motor Neutral Unit by tightening the 2 screws (C), then be careful that the pin of Mode SW Unit should be matched to groove position of main Cam Gear.
3. Install the Emergency Shaft by tightening the screw (B).
4. Install the Pinch Solenoid Unit and after installation it, Pinch Solenoid Position adjustment is required. (Refer to item 1-2).
5. Connect the connector P21 on the Mech I/F P.C.Board.



Removal of Loading Motor

2-14. Mode Select Switch Unit Replacement

(Removal)

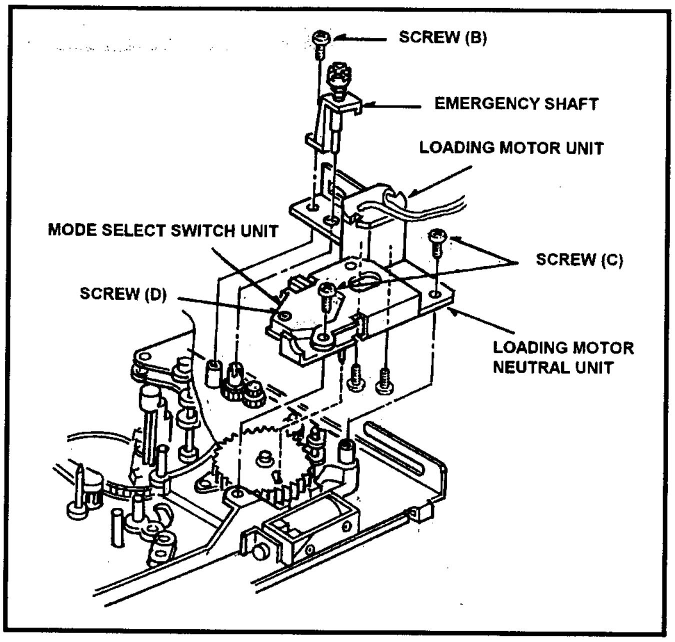
1. Remove the Top Panel.
2. Remove the Front Loading Unit.
3. Remove the Bottom Panel.
4. Disconnect the connector P22 on the Mech I/F P.C.Board.
5. Remove the Pinch Solenoid Unit and Loading Motor Neutral Unit (Refer to item 2-11 and 2-13).
6. Remove the screw (D) and remove the Mode Select Switch Unit from Loading Motor Neutral Unit as shown below.

(Installation)

1. Install the New Mode Select Switch Unit follow the removal steps in reverse order (Please refer to item 2-13.

Note: Be careful the pin of Mode Switch Unit should be matched to groove of Main Cam Gear.

2. After install the Pinch Solenoid Unit, Pinch Solenoid Position adjustment is required (Refer to item 1-2).


SCREW (B)
EMERGENCY SHAFT
LOADING MOTOR UNIT
MODE SELECT SWITCH UNIT
SCREW (C)
SCREW (D)
LOADING MOTOR NEUTRAL UNIT

Removal of mode Select Switch Unit

2-15. Main Cam Gear Replacement

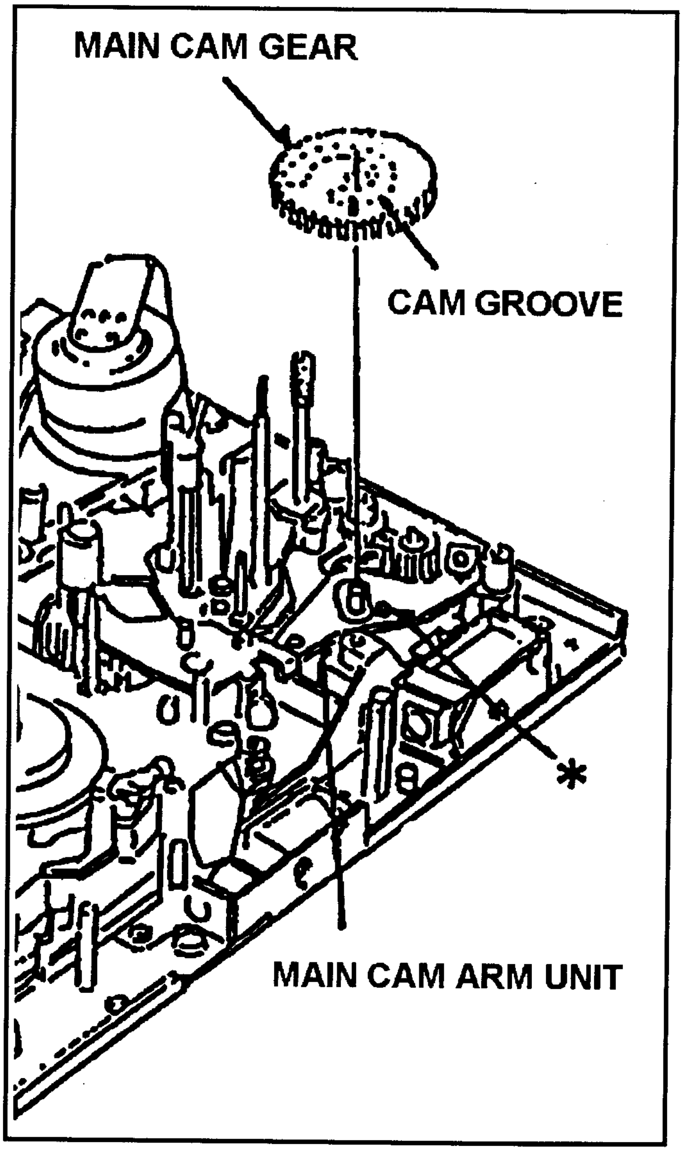
(Removal)

1. Remove the Top Panel.
2. Remove the Front Loading Unit.
3. Remove the Pinch Solenoid Unit (Refr to item 2-11) and Loading Motor Neutral Unit (Refer to item 2-13).
4. Remove the Main Cam Gear as shown in below.

(Installation)

Follow the removal steps in reverse order.

1. Install the Main Cam Gear, then the pin of Main Cam Arm Unit (※) should be matched with the groove position of Main Cam Gear as shown below.


MAIN CAM GEAR
CAM GROOVE
*
MAIN CAM ARM UNIT

Removal of Main Cam Gear

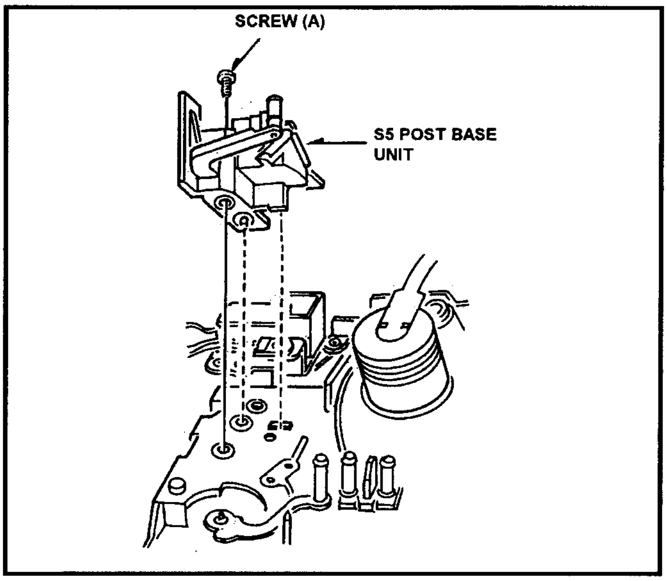
2-16. S5 Post Base Unit Replacement

(Removal)

1. Remove the Top Panel.
2. Remove the Front Loading Unit.
3. Unscrew the screw (A) and remove the S5 Post Base Unit as shown below.

(Installation)

1. Install theS5 post Base Unit follow the removal steps in reverse order, then be careful the S5 Post Base Unit is install to mech chassis as shown below.
2. After installation, Post Height pre-adjustment (Refer to item 1-8) and Linearity adjustment (Refer to item 1-16 [Tape Pass Adjustment Procedure]) should be performed.


SCREW (A)
S5 POST BASE UNIT

Removal of S5 Post Base Unit

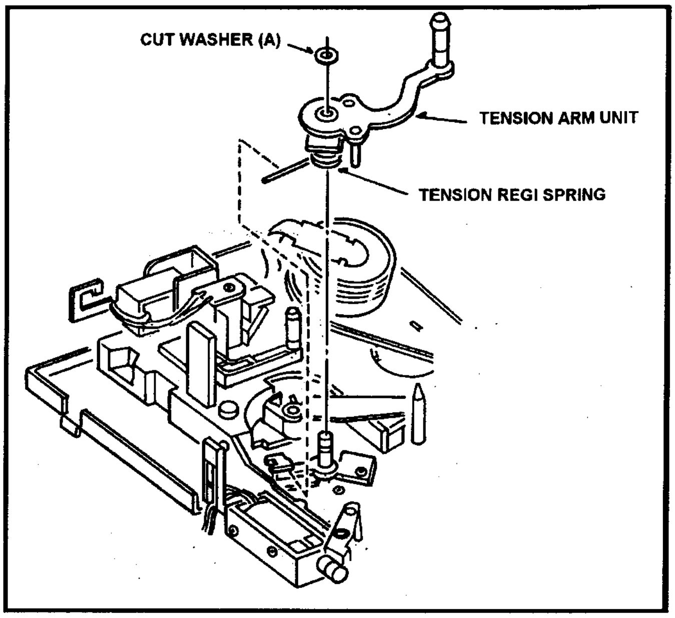
2-17. Tension Arm Unit Replacement

(Removal)

1. Remove the Top Panel.
2. Remove the Front Loading Unit.
3. Remove the Cut Washer (A) and hang off the Tension Regi Spring, then remove the Tension Arm Unit as shown below.

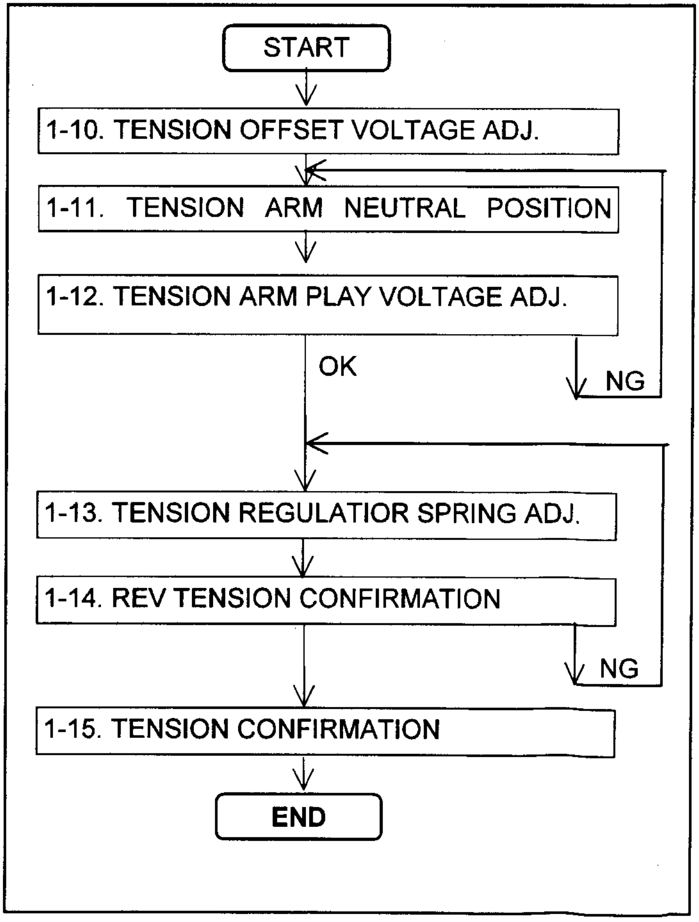
(Installation)

1. Install the new Tension Arm Unit follow the removal steps in reveres order.
2. After installation, Tension Arm Adjustment should be performed the following steps.


CUT WASHER (A)
TENSION ARM UNIT
TENSION REGI SPRING

Removal of Tension Arm Unit

Tension Arm Adjustment Flowchart


START
1-10. TENSION OFFSET VOLTAGE ADJ.
1-11. TENSION ARM NEUTRAL POSITION
1-12. TENSION ARM PLAY VOLTAGE ADJ.
OK
NG
1-13. TENSION REGULATIOR SPRING ADJ.
1-14. REV TENSION CONFIRMATION
NG
1-15. TENSION CONFIRMATION
END

2-18. S1 Post Loading Arm Unit Replacement and Adjustment

(Removal)

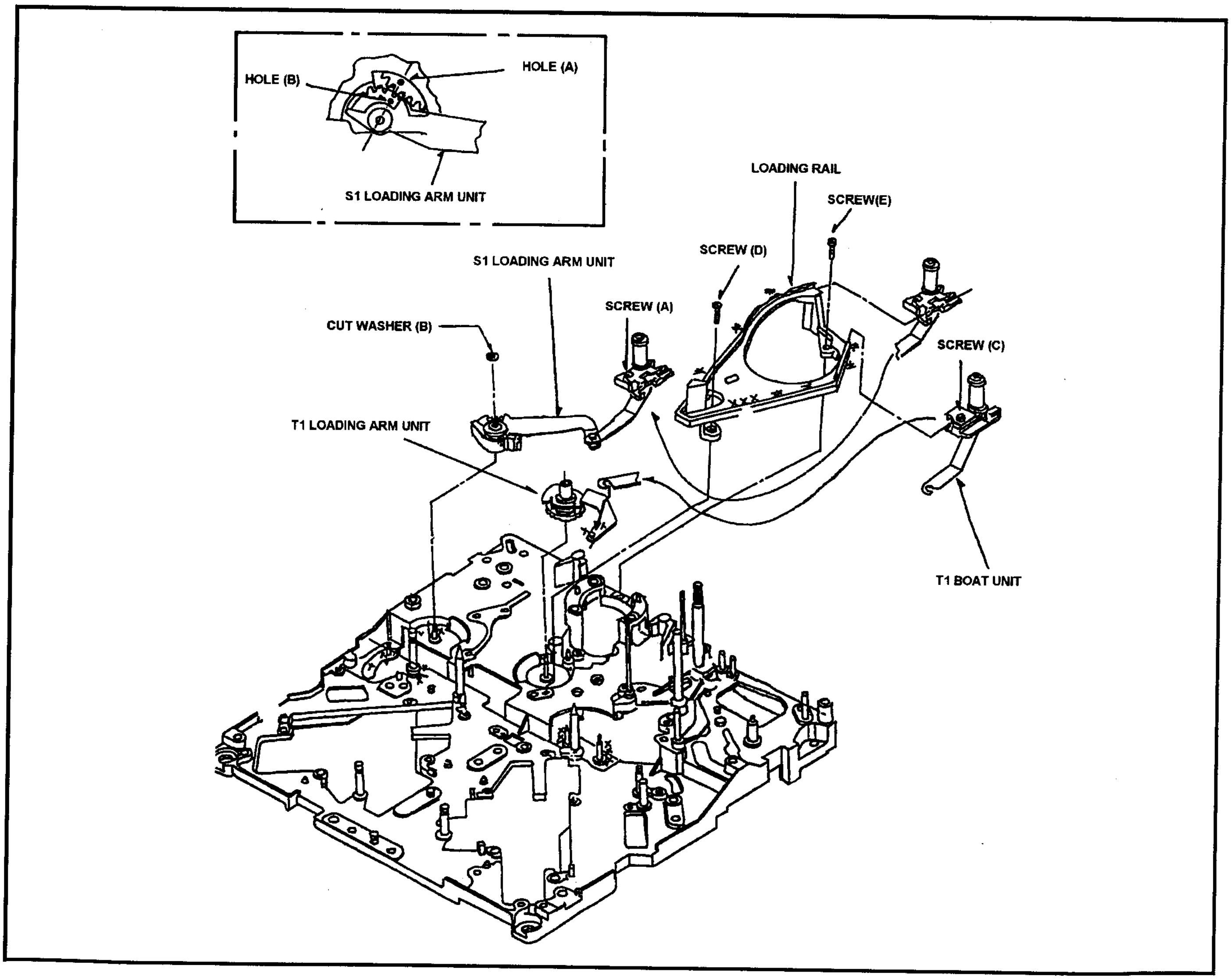
1. Remove the Top Panel.
2. Remove the Front Loading Unit.
3. Remove the S5 Post Base Unit (Refer to item 2-16).
4. Remove the Tension Arm Unit(Refer to item 2-17).
5. Unscrew the screw (A) and remove the S1 Post from Loading Rail as shown below.
6. Remove the Cut Washer (B) and remove the S1 Loading Arm Unit as shown below.

(Installation)

1. Install the new S1 Loading Arm Unit follow the removal steps in reverse order, then S1 Post Loading Arm Unit Phase Adjustment should be performed as follows.
2. After installation, confirm that the S1 Post moving smoothly on the Loading Rail.
   Tension Arm (Refer to item 1-9), and Linearity Adjustment. (Refer to item 1-16 [Tape Pass Adjustment Procedure]) should be performed.

(Adjustment)

1. When install the S1 Post Loading Arm Unit, then the hole (A) should be matched hole (B) as shown below.


HOLE (B)
HOLE (A)
S1 LOADING ARM UNIT
LOADING RAIL
SCREW(E)
SCREW (D)
S1 LOADING ARM UNIT
SCREW (A)
CUT WASHER (B)
SCREW (C)
T1 LOADING ARM UNIT
T1 BOAT UNIT

Removal of S1 Post Loading Arm Unit

2-19. T1 Boat Unit Replacement

(Removal)

1. Remove the Top Panel.
2. Remove the Front Loading Unit.
3. Unscrew the screw (C) and remove the T1 Post from Loading Rail as shown above Figure.
4. Hang off the T1 Boat Unit from T1 Loading Arm Unit as shown above Figure.

(Installation)

1. Install the new T1 Boat Unit follow the removal steps in reverse order.
2. After installation confirm that the T1 Post moving smoothly on the Loading Rail.

Linearity adjustment (Refer to item 1-16 [Tape Pass Adjustment Procedure]) should be performed.

2-20. T1 Loading Arm Unit Replacement and Adjustment

(Removal)

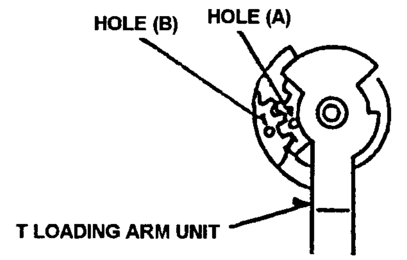
1. Remove the Top Panel.
2. Remove the Front Loading Unit.
3. Remove the cylinder Unit (Refer to item 2-1).
4. Move the T1 Post to loading direction by manual ejecting method until the screw (D) can be removal position.
5. Unscrew the 2 screws (A) and (C), then remove the S1 and T1 Post from Loading Rail.
6. Unscrew the 2 screws (D) and (E), then remove the Loading Rail.
7. Remove the T1 Loading Arm Unit.

(Installation)

1. Install the T1 Loading Arm Unit follow the removal steps in reverse order, then Phase Adjustment should be performed as follows.

(Adjustment)

1. When install the T1 Loading Arm Unit, then the hole (A) should be matched hole (B) as shown below.
2. After installation confirm that the S1 and T1 Post moving smoothly on the Loading Rail.
3. Post Height Pre-adjustment (Refer to item 1-8) and Linearity adjustment (Refer to item 1-16 [Tape Pass Adjustment Procedure]) should be performed.



Phase Adjustment of T1 Lording Arm Unit

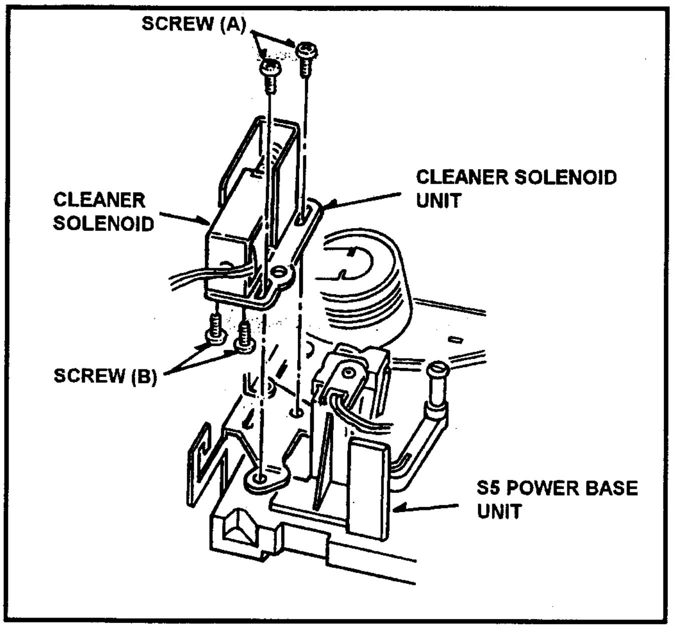
2-21. Cleaner Solenoid Replacement and Adjustment

(Removal)

1. Remove the Top Panel.
2. Remove the Front Loading Unit.
3. Disconnect the connector P11 on the Mech I/F P.C.Board.
4. Unscrew the 2 screws (A) and remove the Cleaner Solenoid Unit as shown below.
5. Unscrew the 2 screws (B) and remove the Cleaner Solenoid as shown below.

(Installation)

1. Install the new Cleaner Solenoid follow the removal steps in reverse order.
2. After installation, Cleaner Solenoid Position adjustment should be performed as follows.


SCREW (A)
CLEANER SOLENOID UNIT
CLEANER SOLENOID
SCREW (B)
S5 POWER BASE UNIT

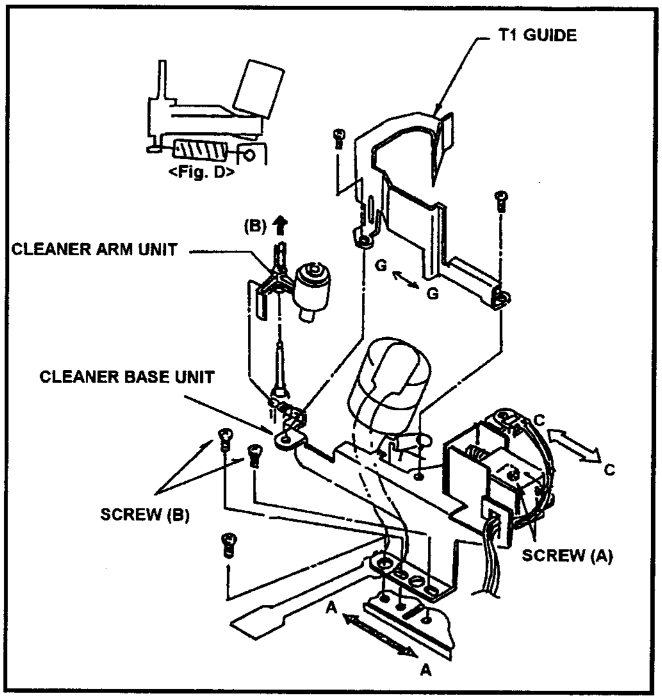
Removal of Cleaner Solenoid

2-22. Cleaner Solenoid Position Adjustment

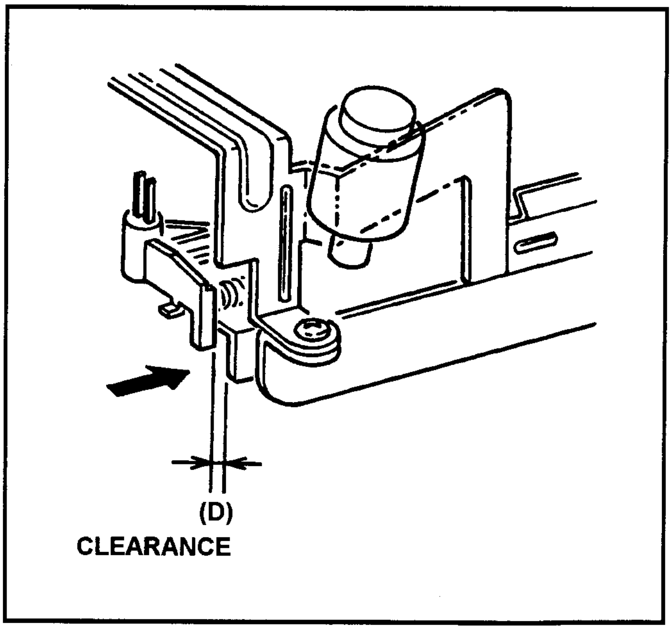
※ Tools Required : Eccentric Driver (VFK0357)

1. Press the iron core of Cleaner Solenoid.
2. Observe the clearance (D) between Cleaning Arm Unit and Cleaner Base Plate. And make sure that it is within 0.5 to 0.7mm.
3. If not, loosen the 2 screws (A) and adjust the position of Cleaner Solenoid Unit by moving arrow direction (C⇔C) using the Eccentric drive so that the clearance (D) is within specification. And tighten the 2 screws.
4. After adjustment, confirm that as follow.
5. Press the iron core of Cleaner Solenoid and released it, then the Cleaning Roller is return to original position.
6. Press the iron core of the Cleaner Solenoid and confirm that the Cleaner Roller is rotated, when the Cylinder is rotated by hand.

Note: If remove the cleaner Base Plate, Cleaner roller Position adjustment should be performed.


T1 GUIDE
<Fig. D>
(B)
CLEANER ARM UNIT
G
G
CLEANER BASE UNIT
C
C
SCREW (B)
SCREW (A)
A
A

Cleaner Solenoid Position Adjustment (1)

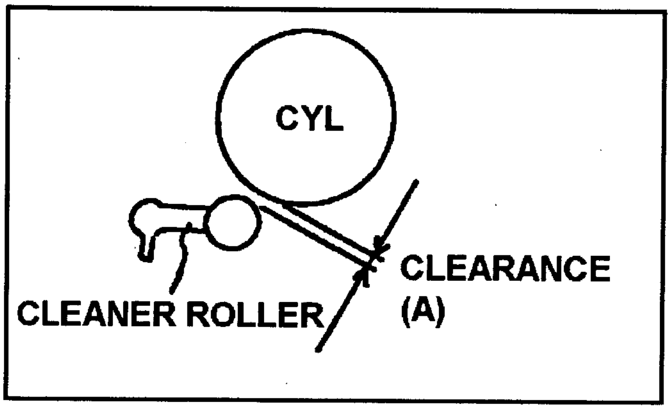

(D)
CLEARANCE

Cleaner Solenoid Position Adjustment (2)

2-23.Cleaner Roller Position Adjustment

※ Tools Required : Eccentric Driver (VFK0357)

1. Observe the clearance (A) between Cleaner Roller and cylinder Unit. And make sure that it is within 1.0 to 1.2mm.
2. If not, loosen the 2 screws (B) and adjust the position of Cleaner Base Plate by moving arrow direction (A ⇔ A) using the Eccentric driver so that the clearance (A) is within specification. And tighten the 2 screws (B).



Cleaner Roller Position Adjustment

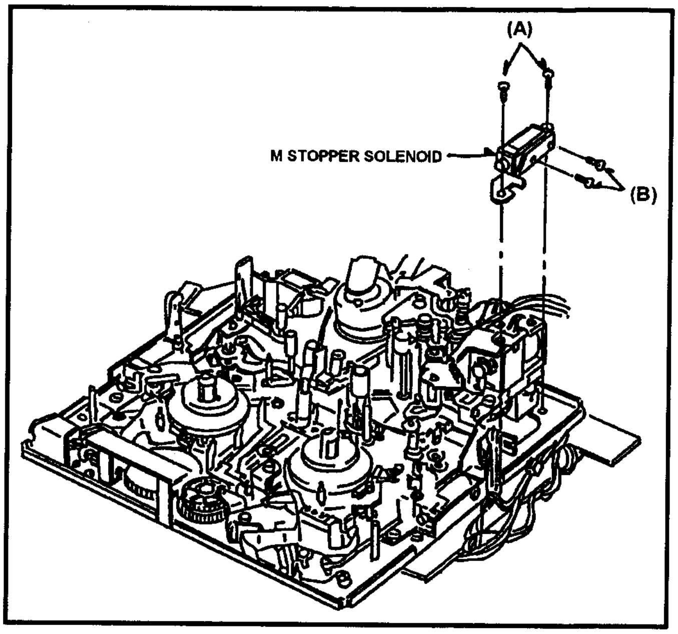
2-24. M-Stopper Solenoid Replacement and Adjustment

(Removal)

1. Remove the Top Cover.
2. Remove the Front Loading Unit.
3. Remove the connector P24 on the Mech I/F P.C.Board.
4. Unscrew the 4 screws (A) and (B) and remove the M-Stopper Solenoid as shown below.

(Installation)

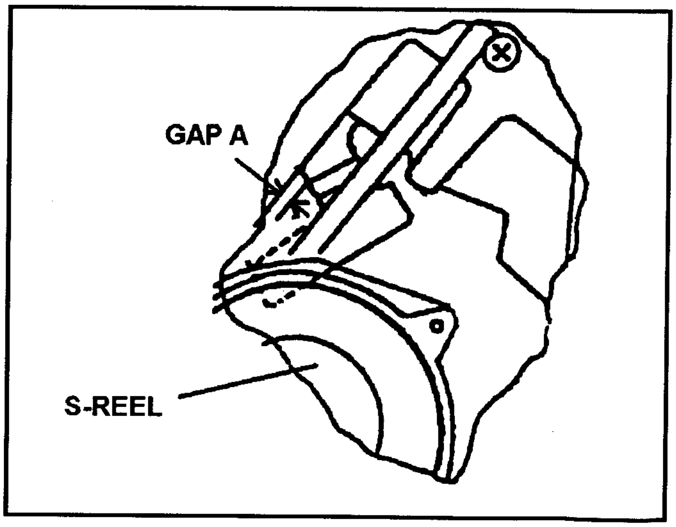
1. Install the new M-Stopper Solenoid follow the removal steps in reverse order.
2. After installation, position adjustment should be performed as follows.



Removal of M-Stopper Solenoid

(Adjustment)

1. Set the reels in the L size position.
2. Push the iron core of M-Stopper Solenoid by hand.
3. Observe the gap (A) between Mech Chassis and M-Stopper as shown below. And make sure that it is within 1.1 to 1.3mm.



M-Stopper Solenoid Position Adjustment

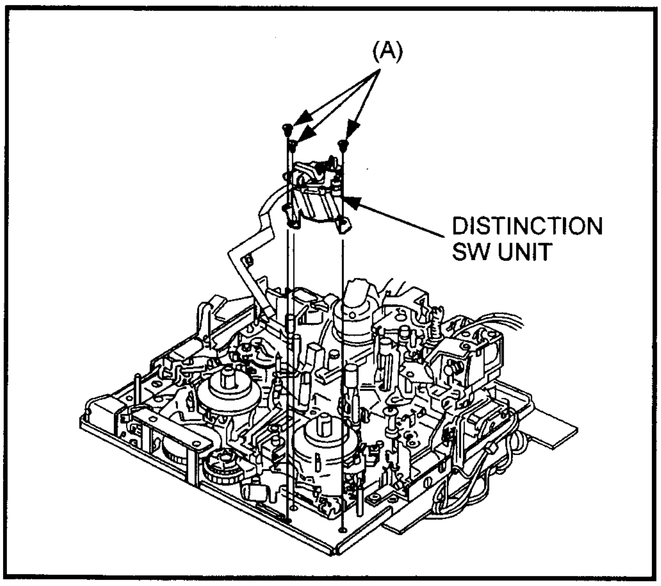
2-25. Distinction SW Unit Replacement

(Removal)

1. Remove the Top Case Unit.
2. Remove the Front Loading Unit.
3. Remove the Bottom Case Unit.
4. Disconnect the connector P17 on Mech I/F P.C.Board.
5. Unscrew the 3 screws (A) and remove the Distinction SW Unit as shown below.

(Installation)

1. Install the new Distinction Switch Unit follow the removal steps in reverse order.
2. Confirm that the M and L cassettes touch to Distinction Switch Unit correctly.



Removal of Distinction Switch Uni

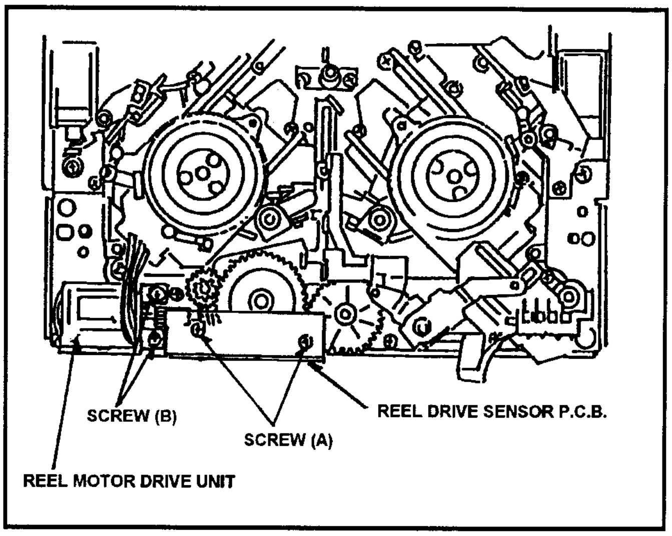
2-26. Reel Drive Motor Unit Replacement

(Removal)

1. Remove the Top Cover.
2. Remove the Front Loading Unit.
3. Disconnect the connector P16 on the Mech I/F P.C.Board. as shown in Figure 6-3-1.
4. Unscrew the 2 screws (A) and remove the Reel Drive Sensor P.C.Board.
5. Unscrew the 2 screws (B) and remove the Reel Drive Motor Unit as shown below.

(Installation)

Install the new Reel Drive Motor Unit follow the removal step in reverse order.



Removal of Reel Drive Motor Unit

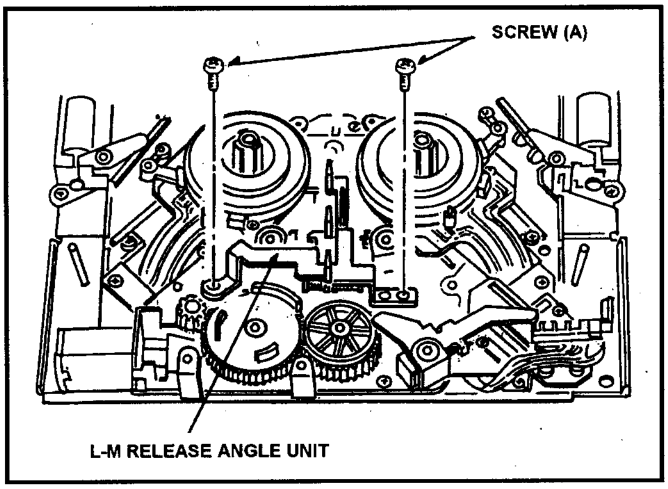
2-27. L-M Release Angle Unit Replacement

(Removal)

1. Remove the Top Panel.
2. Remove the Front Loading Unit.
3. Unscrew the 2 screws (A) and remove the L-M Release Angle Unit as shown below.

(Installation)

1. Install the new L-M Release Angle Unit follow the removal steps reverse order.

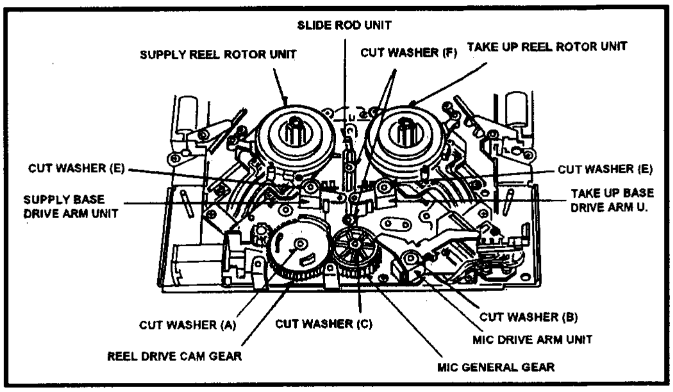

SCREW (A)
L-M RELEASE ANGLE UNIT

Removal of L-M Release Angle Unit

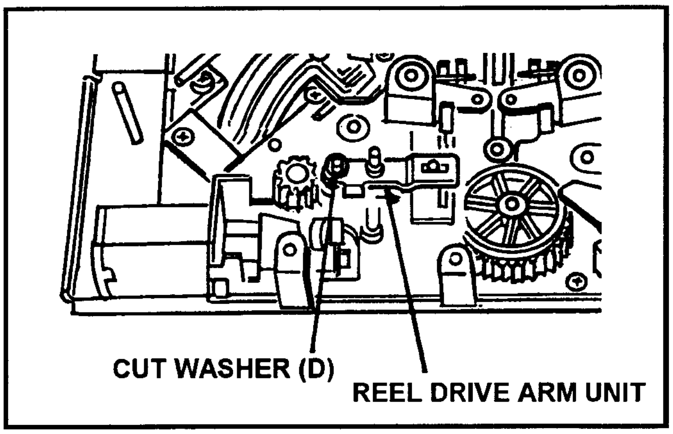
2-28.Slide Rod Unit Replacement and Adjustment

(Removal)

1. Remove the Top Panel.
2. Remove the Front Loading Unit.
3. Remove the L-M Release Angle Unit.
4. Remove the Reel Drive Sensor P.C.Board.
5. Remove the Cut Washer (A) and remove the Reel Drive Cam Gear.
6. Remove the Cut Washer (B) and remove the MIC Drive Arm Unit.
7. Remove the Cut Washer (C) and remove the MIC Geneva Gear.
8. Remove the Cut Washer (D) and remove the Reel Drive Arm Unit.
9. Remove the Supply and Take Up Reel Rotor Unit (Refer to item 2-7).
10. Remove the 2 Cut Washers (E) and remove the Supply and Take Up Base Drive Arm Unit.
11. Remove the 2 Cut Washers (F) and remove the Slide Rod Unit.


SLIDE ROD UNIT
SUPPLY REEL ROTOR UNIT
CUT WASHER (F)
TAKE UP REEL ROTOR UNIT
CUT WASHER (E)
SUPPLY BASE DRIVE ARM UNIT
CUT WASHER (E)
TAKE UP BASE DRIVE ARM U.
CUT WASHER (A)
CUT WASHER (C)
CUT WASHER (B)
MIC DRIVE ARM UNIT
REEL DRIVE CAM GEAR
MIC GENERAL GEAR

Removal of Slide Rod Unit


CUT WASHER (D)
REEL DRIVE ARM UNIT

Removal of Reel Drive Arm Unit

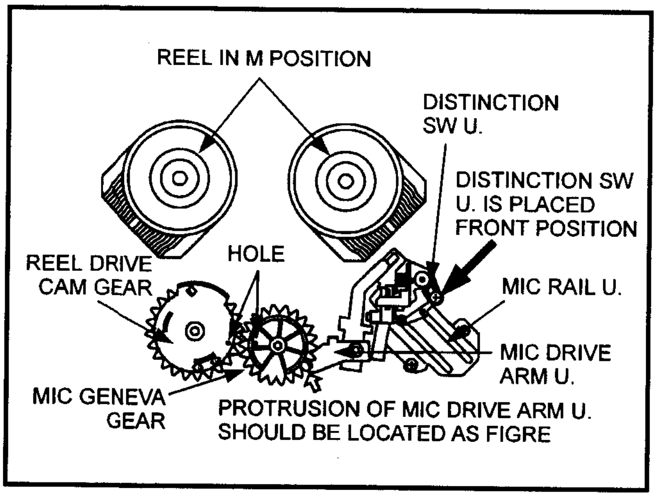
(Installation)

1. Install the new Slide Rod Unit follow the removal steps in reverse order.
2. When install the Reel Drive Cam Gear and MIC Geneva Gear, then phase adjustment should be performed as follows.

(Adjustment)

1. Install the MIC Geneva Gear to the Chassis.
2. Place the Reels in the M-Size position by hand.
3. Install the MIC Drive Arm Unit.
4. Place the REC Inhibit SW in front position on Distinction SW Unit by rotation of MIC Geneva Gear, and then MIC Geneva Gear should be positioned as shown in Figure on next page.

Note: Protrusion of MIC DRIVE Arm Unit is positioned as shown in Figure on next page.


REEL IN M POSITION
DISTINCTION SW U.
DISTINCTION SW U. IS PLACED FRONT POSITION
REEL DRIVE CAM GEAR
HOLE
MIC RAIL U.
MIC DRIVE ARM U.
MIC GENEVA GEAR
PROTRUSION OF MIC DRIVE ARM U. SHOULD BE LOCATED AS FIGRE

Gear Phase Adjustment

5. Install the Reel Drive Cam Gear and hole of Reel Drive Cam Gear should be matched with the hole of MIC Geneva Gear.
6. Install the Cut Washer (A), (B) and (C).

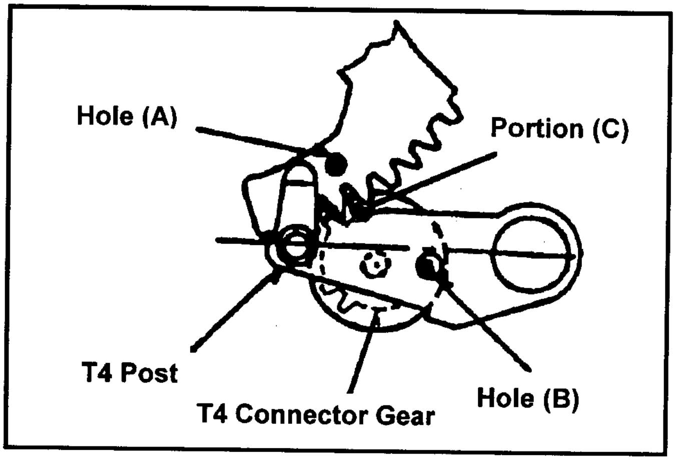
※Point of Adjustment

1) Reel in M-Seze position.
2) Set the REC Inhibit SW in front position of Distinction SW Unit.
3) Portrusion of MIC Drive Arm Unit is positioned.
4) Holes between Reel Drive Cam Gear and MIC Geneva Gear are matched.

2-29. T4 Post Phase Adjustment

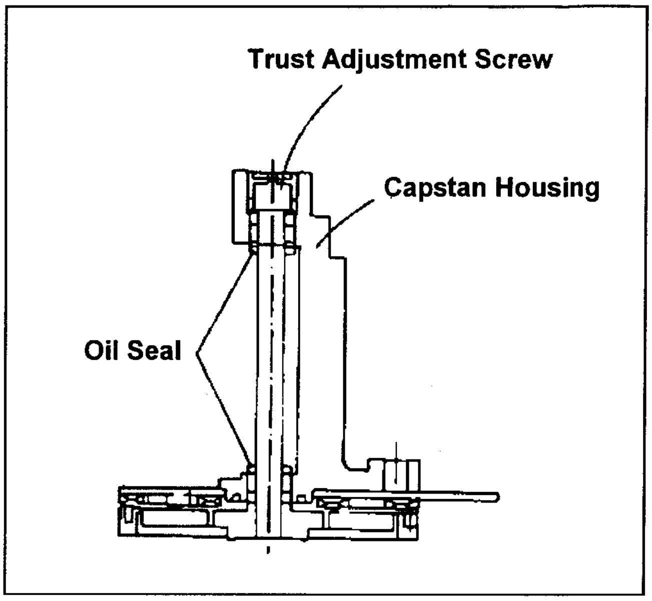
1. Place unit into unloading condition.
2. Confirm that the hole (B) of T4 connection Gear was matched to hole of T4 post as shown below.
3. Confirm that the portion (C) of T4 connection Gear and hole (A) , which are located as shown below.
4. If not, adjust the phase of T4 post follow the above procedure.

Phase of T4 Post

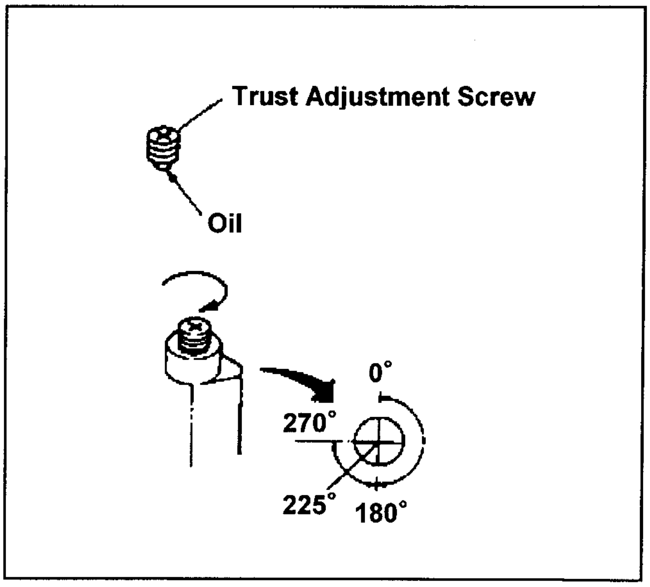

Hole (A)
Portion (C)
T4 Post
T4 Connector Gear
Hole (B)

2-30. Thrust Adjustment Screw Replacement and Adjustment

1. Remove the Thrust Adjustment Screw.
2. Enforce cleaning of point department of capstan shaft with an applicator.
   Put the oil(VFK0906) on a new Thrust Adjustment Screw and install the upper end of the Capstan Housing.
3. Turn the Thrust Adjustment Screw slowly to counter-clockwise until the Capstan Rotor just starts turning (separate from the Capstan Rotor).
4. Turn the Trust Adjustment Screw an another angle of 270° from 180° (about 225°) clockwise as shown in lower figure.
5. Put the glue (Ex:: Three Bond 1401B) on the Thrust Adjust Screw.
6. Confirm whether the Oil Seal does not come in contact with the Capstan Housing.


Trust Adjustment Screw
Capstan Housing
Oil Seal

Removal of Trust Adjustment Screw


Trust Adjustment Screw
Oil
0°
270°
225°
180°

Adjustment of Thrust Adjustment Screw

SECTION 4

ELECTRICAL ADJUSTMENT

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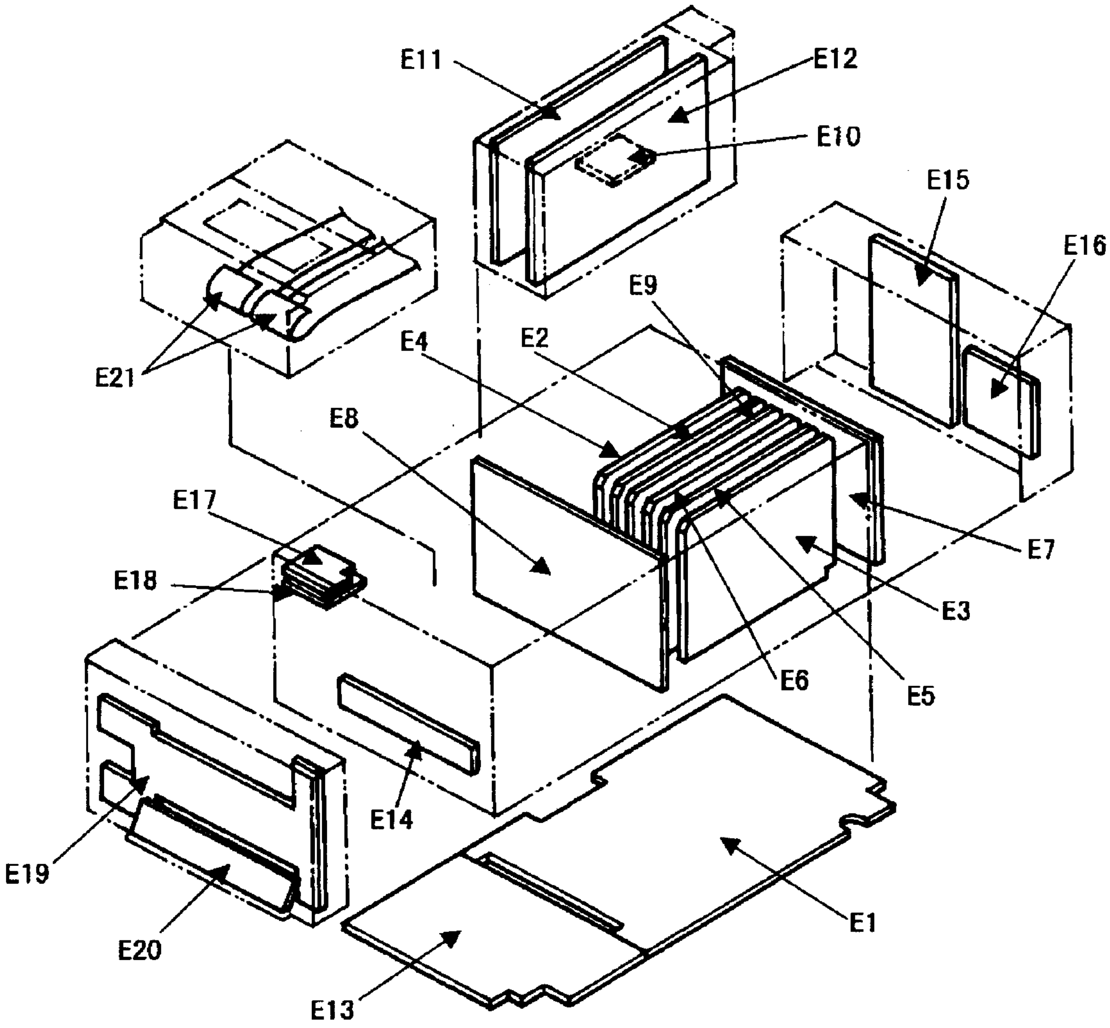
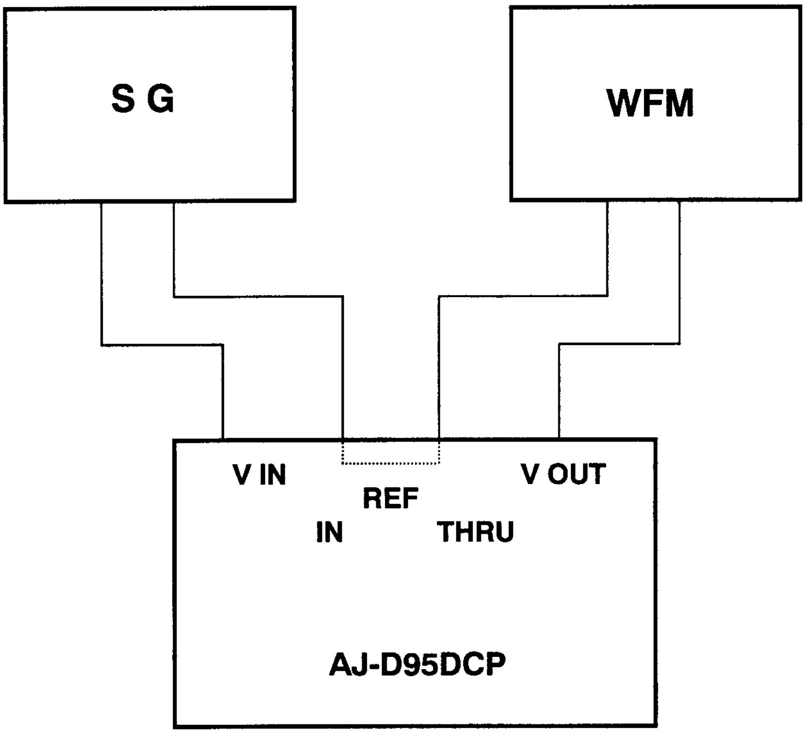
Circuit Board Layout


E11
E12
E10
E15
E16
E9
E4
E2
E21
E8
E17
E18
E7
E3
E6
E5
E14
E19
E1
E20
E13

E1	MOTHER P.C.BOARD	**E12**	POWER 2 P.C.BOARD
E2	VIDEO I/O P.C.BOARD	**E13**	POWER 3 P.C.BOARD
E3	REC PB P.C.BOARD	**E14**	FRONT CONNECT P.C.BOARD
E4	AUDIO P.C.BOARD	**E15**	REAR JACK P.C.BOARD
E5	V IN P.C.BOARD	**E16**	AUDIO JACK P.C.BOARD
E6	V OUT P.C.BOARD	**E17**	REC VR P.C.BOARD
E7	AV I/O P.C.BOARD	**E18**	PB VR P.C.BOARD
E8	RF AMP P.C.BOARD	**E19**	FRONT P.C.BOARD
E9	AV SYSCON P.C.BOARD	**E20**	KEY P.C.BOARD
E10	POWER CONNECT P.C.BOARD	**E21**	FFC U P.C.BOARD
E11	POWER 1 P.C.BOARD		

Preparation


S G
WFM
V IN
REF
IN
THRU
V OUT
AJ-D95DCP

4-1. POWER P.C.Board

4-1-1. Power Supply Circuit (1)

Board	POWER 1		
Item	Test Point	Adjust	Specification
Oscillating freq.	TP3	VR1	204 ± 4KHz
+ 5V Adj.	TP1	VR2	+5.15 ± 0.05V
+ 5.6V Adj.	TP2	VR3	+5.7 ± 0.1V
-26V Adj.	P1802 (pin 3)	-----	-26.5 ± 2.0V
+ 3V Check	P1802 (pin 6)	-----	+3.3 ± 0.1V
+ 6V Check	P1802 (pin 7)	-----	+6.0 ± 0.3V
+ 9V Check	P1802 (pin 9)	-----	+8.5 ± 1.0V
- 6V Check	P1802 (pin 8)	-----	-6.0 ± 0.3V

GND reference: TG1

4-1-2. Power Supply Circuit (2)

Board	POWER 2		
Item	Test Point	Adjust	Specification
Oscillating freq.	TP605	VR601	204 ± 4KHz
+3.3V Check	TP602	VR604	+ 3.4 ± 0.05V
+5V Check	TP601	VR603	+ 5.15 ± 0.05V
+5.6V Check	TP701	VR703	+ 5.70 ± 0.10V
+9V Check	TP603	VR602	+ 9.1 ± 0.1V
-5.6V Check	TP702	VR704	- 5.7 ± 0.1V

GND reference: TG604

4-1-3. Power Supply Circuit (3)

Board	POWER 3		
Item	Test Point	Adjust	Specification
+5V Check	TP502	VR902	+ 5.15 ± 0.05V
+5.6V Check	TP501	VR903	+ 5.70 ± 0.10V

GND reference: TG604

4-2. AV SYS P.C.Board

4-2-1. DIP SW Setting

Set the SWs on the AV SYS Board as shown below.

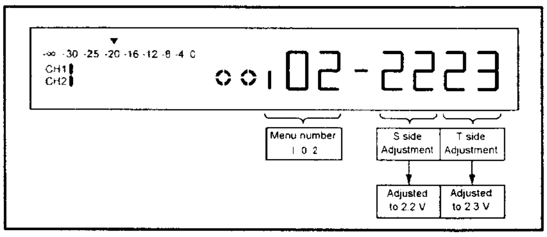
	1	2	3	4
SW60801	ON	ON	ON	OFF
SW60802	OFF	OFF	OFF	OFF

4-2-2. Photo Sensor Voltage Adjustment

BOARD	AV SYS
SPEC.	2.2 ± 0.6V
TEST	VIDEO OUT (super) or display tube
ADJUST	VR1101 : T-PHOTO VR1102 : S-PHOTO
INPUT	-----
MODE	Service menu
TAPE	Tape Sensor Cassetle (VFK1369 or VFK1423)
M.EQ	-----

1. Open the Service Menu and select I00: SYSTEM ADJUST → I02: S-PHOTO/T-PHOTO. Press SEARCH (MODE) button.
2. Insert the Tape Sensor Cassetle (VFK1369 or VFK1423).
3. The VIDEO MONI OUT and the Front Display Tube show the adjustment value as shown below.
4. Adjust VR1102 (S-PHOTO) and VR1101 (T-PHOTO) for the specified values.
5. When the specified values are obtained, press REC (SET) button to enter the values. The cassette tape is automatically ejected.

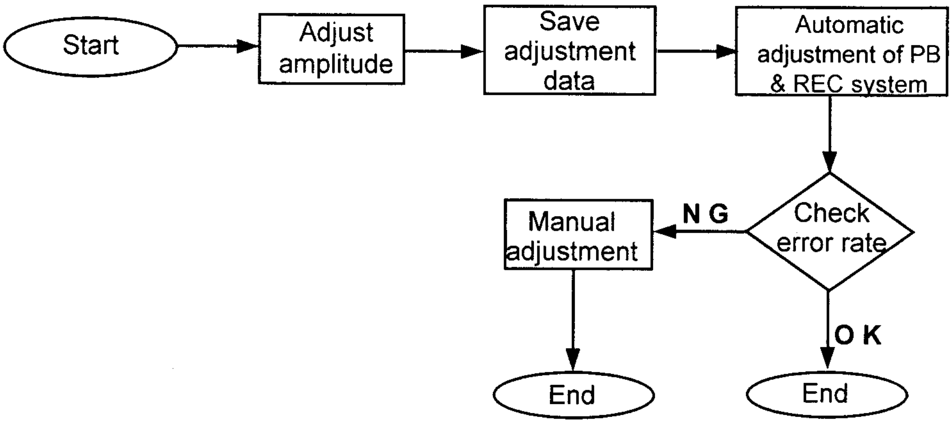
Display Tube (example of readings)


-∞ -30 -25 -20 -16 -12 -8 -4 0
CH1
CH2
I02-2223
Menu number I 0 2
S side Adjustment
T side Adjustment
Adjusted to 2.2 V
Adjusted to 2.3 V

SUPER

```
* I02 : S PHOTO  —  2.2V
        T PHOTO  —  2.3V
```

4-3. RF ADJUSTMENT


Start
Adjust amplitude
Save adjustment data
Automatic adjustment of PB & REC system
Check error rate
N G
Manual adjustment
O K
End
End

4-3-1. Amplitude Adjustment

BOARD	RF AMP
SPEC.	2.0 ± 0.1V
TEST	TP402, TP502 (Common to all adjustments)
ADJUST	Service menu: B00-E00 (see table below)
INPUT	---
MODE	PLAY
TEST TOOL	---
M.EQ	Oscilloscope, Monitor TV

Perform the adjustment in each service menu option to obtain the voltage at the test point.

Mode	Item	Option	Test point	Save data
50M/PB	L1	B03: PB MAG L1	TP402 HSW: TP905	Following option R2, select B41 and press SET. Press SET with DEFAULT SAVE.
	L2	B04: PB MAG L2		
	R1	B22: PB MAG R1	TP502 HSW: TP906	
	R2	B23: PB MAG R2		
50M/RP	L1	C03: RP MAG L1	TP402 HSW: TP903	Following option R2, select C41 and press SET. Press SET with DEFAULT SAVE.
	L2	C04: RP MAG L2		
	R1	C22: RP MAG R1	TP502 HSW: TP904	
	R2	C23: RP MAG R2		
25M/PB	L1	E03: PB MAG L1	TP402 HSW: TP905	Following option R2, select E40 and press SET. Press SET with DEFAULT SAVE.
	L2	E04: PB MAG L2		
	R1	E22: PB MAG R1	TP502 HSW: TP906	
	R2	E23: PB MAG R2		
25M/RP	L1	F03: RP MAG L1	TP402 HSW: TP903	Following option R2, select F40 and press SET. Press SET with DEFAULT SAVE.
	L2	F04: RP MAG L2		
	R1	F22: RP MAG R1	TP502 HSW: TP904	
	R2	F23: RP MAG R2		

4-3-2. Automatic Adjustment

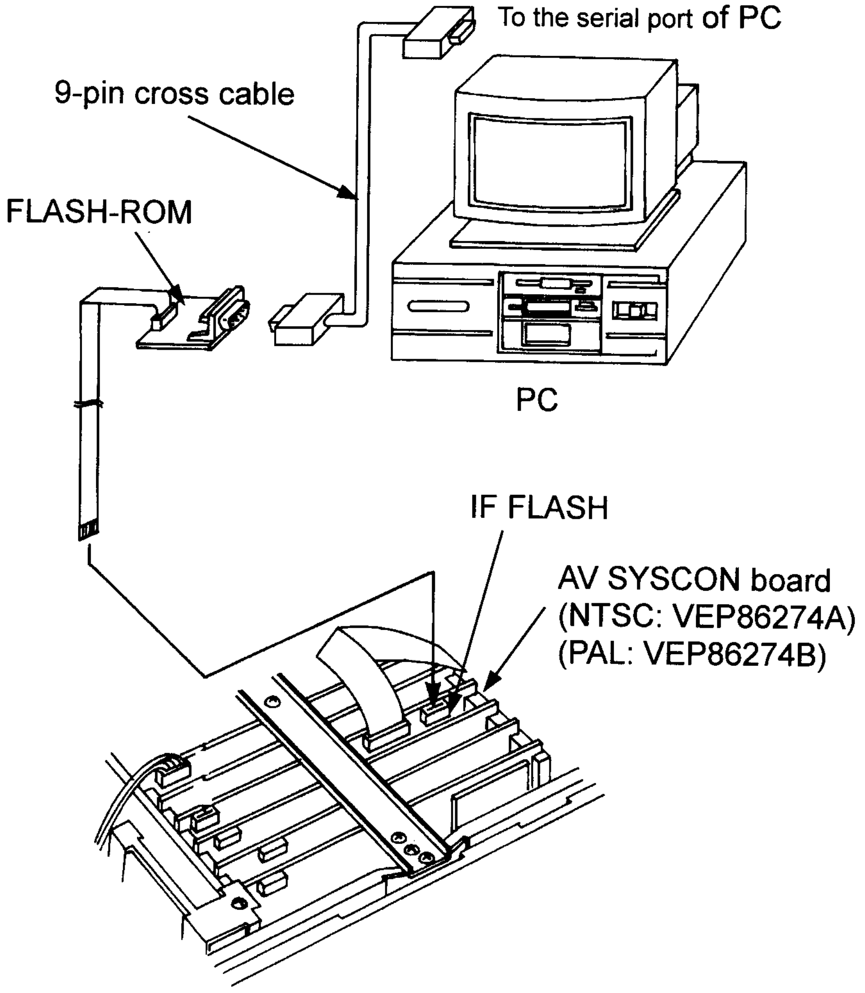
<Preparation>
Make sure that the execution files K1AEQ and ADJDATA of the RF AUTO EQ software VFK1494 are installed on the PC.

- The following description assumes that the folder "D95" has been created to store the RF AUTO EQ software. (Copy the files contained in FD to C:/Soft /D95.)

Connection the AJ-D95DC and PC

- Requirement
  - PC (PC / AT compatible, MS-DOS later than 6.3 Windows 3.1 or 95)
  - RS232C Cross Cable (9pin-9pin)
  - Flash ROM Writer Tool (VFK)
- Connection

1. Main power off to unit.
2. Remove the Top Cover.
3. Connect the flexible cable of the Flash ROM Writer Tool to IF FLASH connector on the AVSYSCON C.B.A.
4. Connect the RS232C cable to 9pin connector on the Flash ROM Writer Tool and serial port (COM1) of the PC.
5. Set DIP SW1 Bit 1 to 4 of the Flash ROM Writer Tool to OFF and then turn on the unit.


To the serial port of PC
9-pin cross cable
FLASH-ROM
PC
IF FLASH
AV SYSCON board
(NTSC: VEP86274A)
(PAL: VEP86274B)

4-3-2-1. Saving Existing Adjustment Data

It is recommended that the existing adjustment data should be download to the PC before adjustment is started.

- The following description assumes that the folder D95 has been created to store the automatic adjustment software. (Copy the files contained in FD to C: /Soft /D95.)

(Saving existing data)

Starting in the Windows environment

1) Select Start on the task bar, and then Programs. Click MS-DOS prompt to open the DOS window.
2) Go to the directory under which the automatic adjustment program is stored.
   (Example: CD C: /D95, press Return).
3) Type adjdata -r (insert a space before -r) and then press Enter. Adjustment data RF, VIDEO and SERVO are saved as a file ADJ.DAT.
4) The file name is always ADJ.DAT.

4-3-2-2. Automatic Adjustment

- The following description assumes that the folder D95 has been created to store the automatic adjustment software. (Copy the files contained in FD to C: /Soft /D95.)

BOARD	RF AMP
SPEC.	PB:-4.3 or below, RP: -3.3 or below
TEST	---
ADJUST	---
INPUT	---
MODE	Automatic setting
TEST TOOL	Auto EQ Alignment tape (VFM3583KM: NTSC, VFM3683KM: PAL)
M.EQ	PC

Starting in the Windows environment

1) Select Start on the task bar, and then Programs. Click MS-DOS prompt to open the DOS window.
2) Go to the directory under which the automatic adjustment program is stored. (Example: CD C:/D95, press Return).
3) Type “k1aeq” and press Enter. This enters playback and recording automatic adjustment mode.
4) The monitor screen displays "Is serial-No. ok?" ->. Where, the serial-No. is the serial number read. If this number is correct, press Return. If not, enter the correct serial number.
5) When "Insert AUTO-EQ Alignment Tape" is displayed, insert the DVCPRO RF AUTO EQ Alignment tape VFM3583KM (NTSC), VFM3683KM (PAL).
6) Wait until the cassette is ejected.

Display during adjustment (check the displayed serial No.)

```
C:¥soft¥D95>
/AutoEqMain Is serial-No. J8TDA0063 ok ? ->
/CasSense-Insert AUTO-EQ Aligment Tape_
```

Display at the end of adjustment (error rate)

```
RF auto adjust complete. error-rate was,
                                L1-V  R1-V  L1-A  R1-A  L2-V  R2-V  L2-A  R2-A
 25M PB-Head(master tape) -> -5. 13,-4. 75,-6. 20,-6. 20,-6. 20,-5. 21,-6. 20,-6. 20,
 25M R/P-Head(master tape)-> -6. 20,-4. 99,-6. 20,-6. 20,-6. 20,-4. 25,-6. 20,-5. 27,
 25M PB-Head(normal tape) -> -5. 97,-5. 94,-6. 20,-6. 20,-6. 12,-6. 13,-6. 20,-6. 20,
 25M R/P-Head(normal tape)-> -6. 20,-6. 03,-6. 20,-6. 20,-6. 02,-5. 55,-6. 20,-6. 20,
 50M PB-Head(master tape) -> -4. 57,-5. 35,-5. 32,-6. 20,-5. 87,-4. 83,-6. 20,-6. 20,
 50M R/P-Head(master tape)-> -5. 30,-4. 85,-6. 20,-6. 20,-6. 20,-5. 16,-6. 20,-6. 20,
 50M PB-Head(normal tape) -> -4. 41,-5. 12,-4. 16,-4. 49,-5. 90,-5. 32,-6. 20,-5. 89,
 50M R/P-Head(normal tape)-> -5. 10,-4. 19,-4. 77,-3. 96,-5. 64,-5. 17,-6. 20,-5. 72,

C:¥soft¥D95>
```

* Selecting adjustment option

Entering k1aeq starts AUTO EQ adjustment of all items of 25M and 50M. Specific options can be selected by following the steps shown below.

◊ To adjust all - envelope, playback and recording
k1aeq -2: 25M all - envelope, playback and recording
k1aeq -5: 50M all - envelope, playback and recording
◊ To adjust only playback and recording
k1aeq -e
k1aeq -2e
k1aeq -5e
◊ Without recording adj.
k1aeq -p
k1aeq -2p
k1aeq -5p
◊ To adjust only recording.
k1aeq -r
k1aeq -2r
k1aeq -5r

Designation of option

-p : adjust only playback system
-e : adjust except for envelope
-5 : adjust 50M
-r : adjust only recording system
-2 : adjust 25M
-h : display help

4-3-2-3. Manual Adjustment (PB EQ)

If the result of automatic adjustment is not satisfactory, perform the following manual adjustments.

Error rate display

Display the error rate on the audio meter on the front panel:

(Service Mode → AVSYS board SW802-2 is set at ON.)

- This sets the audio level meter to display the error rate.

(Normal mode → service menu not use)

- With REC INHIBIT switch set at ON, pressing the SEARCH (MODE) and INPUT_SELECT buttons simultaneously to the audio meter displays the error rate.
- To abort the error rate display, press RESET button.

Display Modes and Displays

Item	CH1 display	CH2 display	Display tube
Video L1/L2	Off	Off	Video L
Video R1/R2	On	On	Video R
Audio L1/L2	On	Off	Audio L
Audio R1/R2	Off	On	Audio R
• Pressing COUNTER button scrolls the options of modes. • The display tube displays value for 3 seconds after mode change.			

Note: Adjustment is done in VITERBI mode (for each option shown below).

<1> Perform manual adjustment only if the automatic adjustment fails.

<2> See the table below.

<3> Note down the adjustment values before starting adjustment. Change adjustment value of each item. Adjust for the minimum error rate. If the result is unsatisfactory, restore the original value.

<4> When the value is changed, move to menu DEFAULT. Press SET at DEFAULT SAVE to save the data.

Item		Adjust	Save data
50M/ PB	L-CH	B05: PB PLLSLICEL ~ B19: PB PLLSLICEL (B16: excl. VITERBI)	B41 DEFAULT
	R-CH	B24: PB PLLSLICER ~ B38: PB PLLSLICER (B35: excl. VITERBI)	
50M/ RP	L-CH	C05: PB PLLSLICEL ~ C19: PB PLLSLICEL (C16: excl. VITERBI)	C41 DEFAULT
	R-CH	C24: PB PLLSLICER ~ C38: PB PLLSLICER (C35: excl. VITERBI)	
25M/ PB	L-CH	E05: PB PLLSLICEL ~ E19: PB PLLSLICEL (D16: excl. VITERBI)	E40 DEFAULT
	R-CH	E24: PB PLLSLICER ~ E38: PB PLLSLICER (D35: excl. VITERBI)	
25M/ RP	L-CH	F05: PB PLLSLICEL ~ F19: PB PLLSLICEL (E16: excl. VITERBI)	F40 DEFAULT
	R-CH	F24: PB PLLSLICER ~ F38: PB PLLSLICER (E35: excl. VITERBI)	

4-3-2-4. Manual Adjustment (REC)

If the result of automatic adjustment is not satisfactory, perform the following manual adjustments.

<1>Do not perform the following steps when the automatic adjustment is satisfactory.
See the table below.

<2>Note down the adjustment value before starting. While recording, shift adjustment value of each item by ± 20 in units of 10. While playing back the recorded parts, select the adjustment value that offers the minimum error rate.

<3>Upon completion of adjustment, go to DEFAULT of the menu and press SET at DEFAULT SAVE to save the data.

Item		Adjust	Save data
50M	L-CH	D01: REC CURRENT L1	D09 DEFAULT
		D02: REC CURRENT L2	
	R-CH	D05: REC CURRENT R1	
		D06: REC CURRENT R2	
25M	L-CH	G01: REC CURRENT L1	G09 DEFAULT
		G02: REC CURRENT L2	
	R-CH	G05: REC CURRENT L1	
		G06: REC CURRENT L2	

Note:

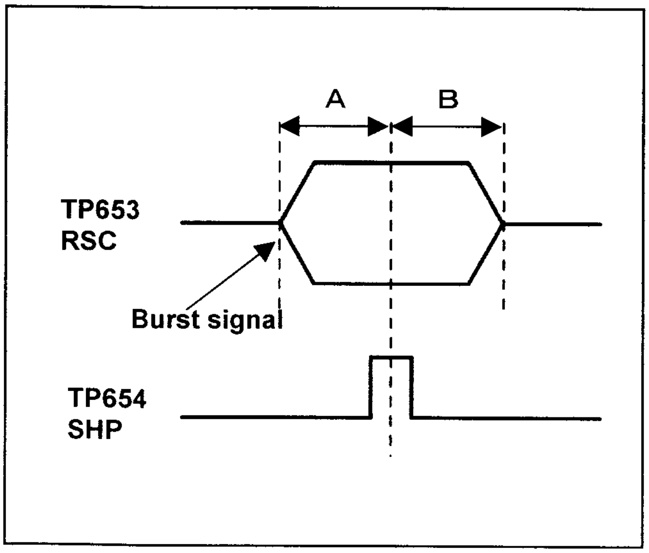
To check the playback error rate, go to service menu E00. Perform E01: VITERBI in AUTO.

4-4. V OUT P.C.Board

4-4-1. SG S/H Adjustment

BOARD	V OUT
SPEC.	A = B ± 10%
TEST	TP653 (RSC), TP654 (SHP)
ADJUST	VR651 (S/H PULSE)
INPUT	75% colour bar
MODE	EE
TAPE	------
M.EQ	Oscilloscope

1. Connect CH1 of the oscilloscope to TP653, and CH2 to TP654.
2. Align the center of S/H pulse signal (from TP654) with that of burst signal (from TP653) and then adjust VR651 so that A and B distance within the specification.



4-4-2. 14.3 MHz VCO Adjustment

BOARD	V OUT
SPEC.	3,579,545 ± 5Hz
TEST	TP561
ADJUST	VC711 (FS PHASE)
INPUT	------
MODE	EE
TAPE	------
M.EQ	Frequency counter

1. Connect the frequency counter to TP561.
2. Adjust VC711 for 3,579,545 ± 5 Hz.

4-4-3. 17.7 MHz VCO Adjustment

BOARD	V OUT
SPEC.	0 ± 0.1V
TEST	TP712
ADJUST	VC711
INPUT	75% colour bar
MODE	EE
TAPE	------
M.EQ	Oscilloscope

1. Connect the oscilloscope to TP712.
2. Adjust VC711 for 0 ± 0.1V.

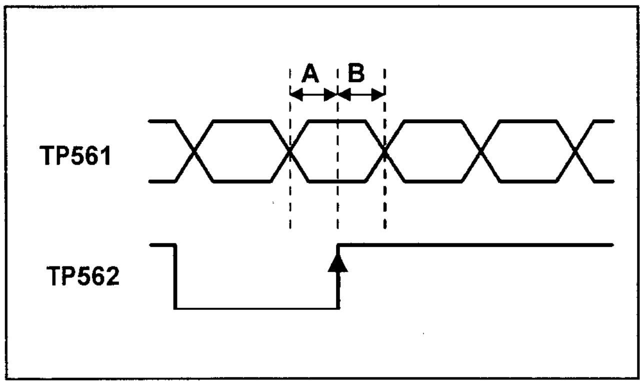
4-4-4. REF SCH Adjustment

BOARD	V OUT
SPEC.	A = B ± 10%
TEST	TP561, TP562
ADJUST	VR653
INPUT	75% colour bar
MODE	EE
TAPE	------
M.EQ	Oscilloscope

Note:

Check that SCH of both the input video signal and REF VIDEO signal are 0°.

1. Connect CH1 of the oscilloscope to TP561, and CH2 to TP562.
2. Adjust VR653 so that the pulse signal (H sync) from TP562 goes high at the center of SC signal (from TP561)



4-4-5. System Subcarrier Adjustment

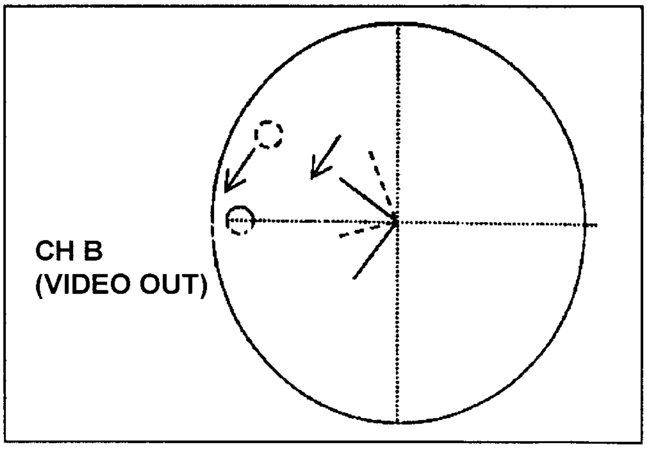
BOARD	V OUT
SPEC.	0 ± 1°
TEST	VIDEO OUT/REF IN
ADJUST	VR712 (SYS SC PHASE)
INPUT	75% colour bar
MODE	PLAY/EE
TAPE	------
M.EQ	SCH meter

Notes:

1.Set the waveform and vector monitor to SCH mode.

2. Observe CHA (REF VIDEO IN) with EXT REF and align SCH display position.

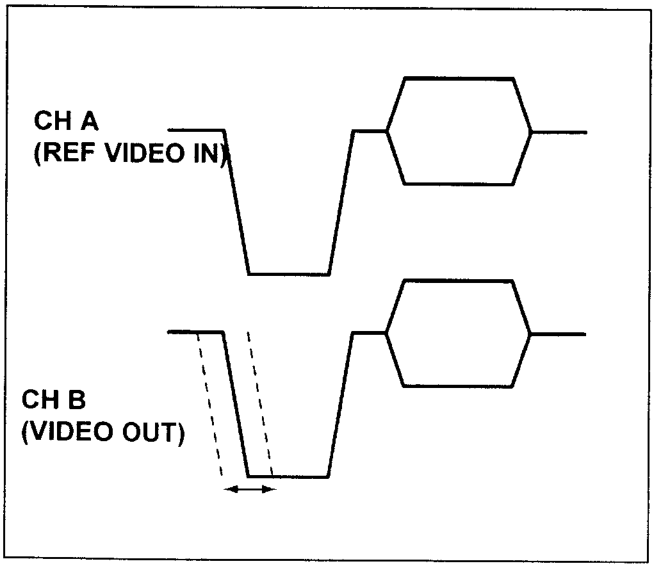
1. Connect the SCH meter to REF IN and VIDEO OUT.
2. Adjust VR711 so that the SCH of VIDEO OUT is same as EXT REF IN, then SCH phase should be becomes in specification.



4-4-6. System H Phase Adjustment

BOARD	V OUT
SPEC.	See figure below
TEST	VIDEO OUT/REF IN
ADJUST	VR561 (SYS H PHASE)
INPUT	75% colour bar
MODE	PLAY/EE
TAPE	------
M.EQ	WFM

1. Observe the H Sync portion of VIDEO OUT signal and REF IN signal.
2. Adjust VR561 so that falling edge of H Sync becomes in same phase.



Note:

First turn VR561 in the direction to make the video out sync lag behind REF sync. Then, turn VR561 in reverse direction to catch the REF sync.

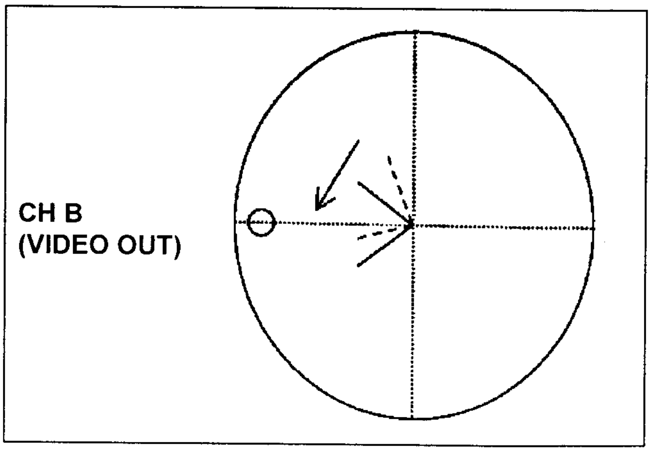
4-4-7. Burst Signal Phase Adjustment

BOARD	V OUT
SPEC.	0 ± 1°
TEST	VIDEO OUT/REF IN
ADJUST	VR652 (SCH PHASE),OSD menu
INPUT	75% colour bar
MODE	PLAY/EE
TAPE	------
M.EQ	SCH meter

Notes:

1. Set the waveform and vector monitor to SCH mode.
2. Observe CHA (REF VIDEO IN) with EXT REF and align SCH display position.

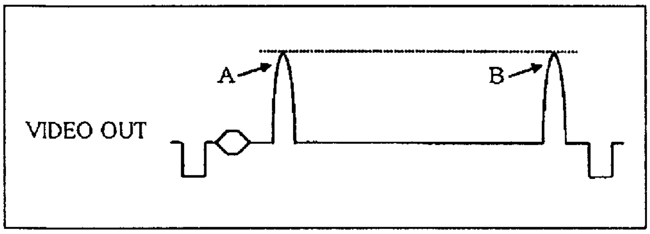
1. Adjust VR652 to bring the phase of the burst signal of VIDEO OUTPUT as close as possible to that of REF IN signal.
2. Next, adjust burst phase to 0° by SCH COARSE in the OSD menu.



4-4-8. Video Position Adjustment

BOARD	V OUT
SPEC.	0 ± 1°
TEST	VIDEO OUT/SDI IN
ADJUST	VR771
INPUT	Y Signal of Active Picture Timming
MODE	EE
TAPE	------
M.EQ	WFM

1. Input the only Y-MARKER signal of Active Picture Timming.
2. Observe VIDEO OUT with WFM, and adjust VR771 so that height A is as same as height B.



4-5. V IN P.C.Board

4-5-1. 13.5 MHz PLL Offset Adjustment

BOARD	V IN
SPEC.	V=0 ± 0.1V
TEST	TP202
ADJUST	FL203 (PLL OFS)
INPUT	75% colour bar (VIDEO IN)
MODE	EE
TAPE	------
M.EQ	Oscilloscope

1. Adjust FL203 so that the DC level is at 0±0.1 V.

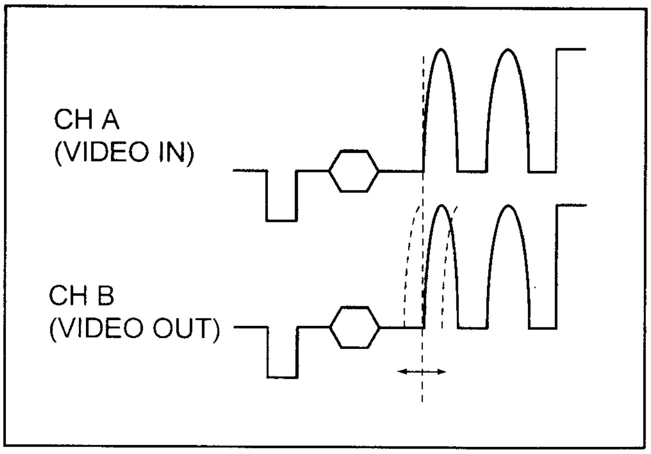
4-5-2. Y Signal Timing Adjustment

Notes:

1. V OUT board has been completely adjusted.
2. SCH VIDEO is in correct phase.

BOARD	V IN
SPEC.	Phase deviation: ± 10 nsec
TEST	VIDEO IN / VIDEO OUT
ADJUST	VR202 (SYNC 0)
INPUT	2T pulse & bar (VIDEO IN)
MODE	EE
TAPE	------
M.EQ	WFM

1. Connect CHA of WFM monitor to VIDEO IN and CHB to VIDEO OUT.
2. Adjust VR202 so that 2T pulses Phase synchronized between CHA (VIDEO IN) and CHB (VIDEO OUT) waveform.



4-6. VIDEO I/O P.C.Board

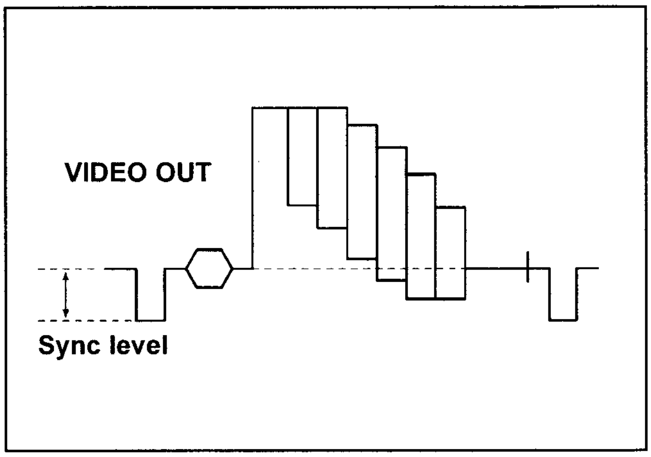
4-6-1. Setting Considerations

1. Set system menu options VIDEO LEVEL, SET, SET UP, HUE and CHROMA LEVEL to zero.
2. At least 10-minute aging before adjustment.
3. Before adjusting, reset the VTR to defaults.
4. Setting OPERATION menu.
   112: CAP LOCK 2F→8F
5. When an extended board has been used, and at that time, if adjustment value is change, readjust it by Service Menu (EVR).

4-6-2. Sync Level Adjustment

BOARD	VIDEO I/O
SPEC.	0.3V ± 1%
TEST	VIDEO / Y OUT
ADJUST	VR5 (SYNC LEV)
INPUT	100% colour bar(VIDEO / Y IN)
MODE	EE
TAPE	------
M.EQ	WFM

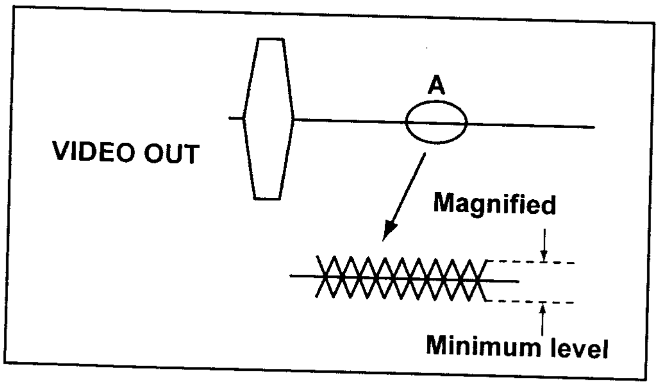
1. Observing Y signal in the output video, adjust VR5 so that the sync level is within the specification.



4-6-3. Carrier Balance Adjustment

BOARD	VIDEO I/O
SPEC.	Less than 6mVp-p
TEST	VIDEO / Y OUT
ADJUST	VR109 (PB BAL), VR108 (PR BAL)
TAPE	VFM3680KM (2T pulse & bar)
INPUT	-------
MODE	PLAY
M.EQ	WFM

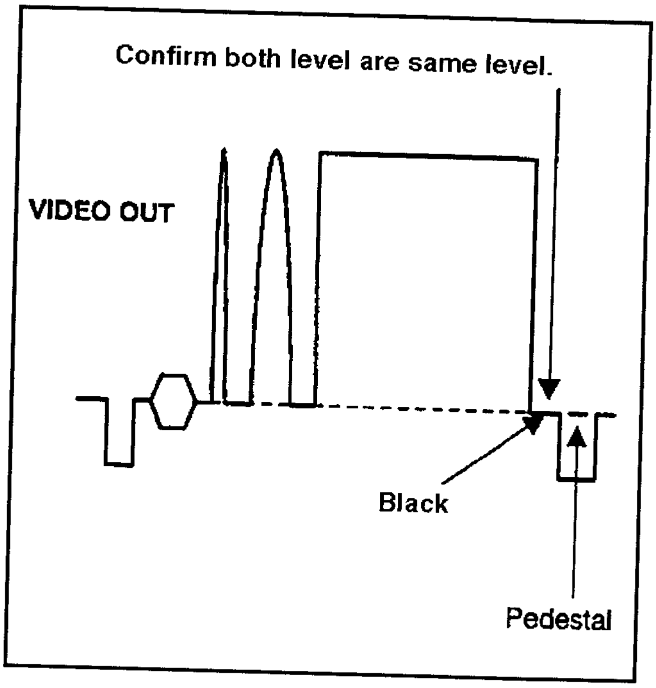
1. Playback color bar portion the alignment tape.
2. Set the WFM monitor to single line sweep mode, turn chroma filter on, and set the gain to max.
3. Adjust the monitor to display details of portion A shown in the figure below. Adjust VR109 and VR108 to reduce the level of A as minimize as possible.


VIDEO OUT
A
Magnified
Minimum level

4-6-4. Composite Black Level Adjustment

BOARD	VIDEO I/O
SPEC.	Black Level = Pedestal Level (≦± 5mV)
TEST	VIDEO / Y OUT
ADJUST	Service Menu H04 or VR4
TAPE	VFM3680KM (2T pulse & bar)
INPUT	-------
MODE	PLAY
M.EQ	WFM

1. Adjust VR4 so that Black Level is as same as Pedestal Level.


Confirm both level are same level.
VIDEO OUT
Black
Pedestal

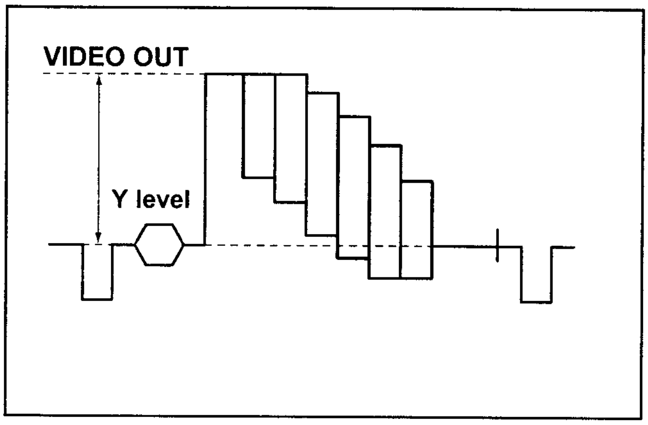
4-6-5. Composite Y Level Adjustment

BOARD	VIDEO I/O
SPEC.	0.7V ± 1%
TEST	VIDEO / Y OUT
ADJUST	VR402 (V LEV OFST), VR401 (VIDEO LEV FINE)
TAPE	VFM3680KM (100% colour bar)
INPUT	--------
MODE	PLAY
M.EQ	WFM

Note:

1. When an extended board is disconnected, and adjustments vary once the VIDEO I/O board is installed on the deck, readjust the service menu H05: V LEV OFST.

1. Observing VIDEO OUT waveform, adjust VR402 and VR401 so that the level of the composite Y signal is 100 IRE ± 1%.



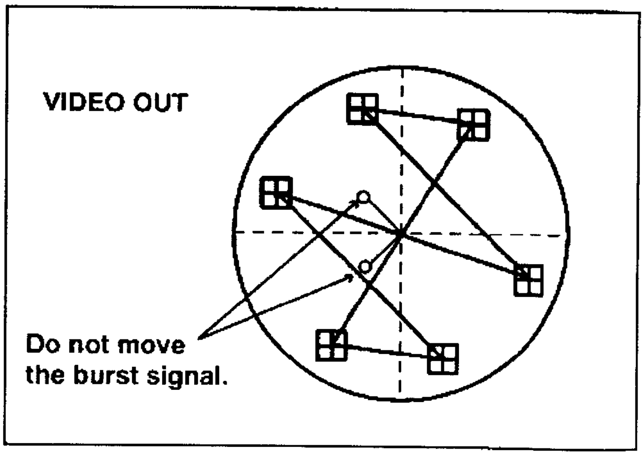
4-6-6. Vector Adjustment

BOARD	VIDEO I/O
SPEC.	All vectors in ⊞
TEST	VIDEO OUT
ADJUST	VR301 (QUAD), VR302 (HUE OFS) VR104(ENC BY), VR103(ENC RY)
TAPE	VFM3680KM (75%, 7.5 colour bar)
INPUT	--------
MODE	PLAY
M.EQ	Vector scope

Note:

1. When an extended board is disconnected, and adjustments vary once the VIDEO I/O board is installed on the deck, readjust the service menu H06: C LEV OFST and H08: HUE OFST.

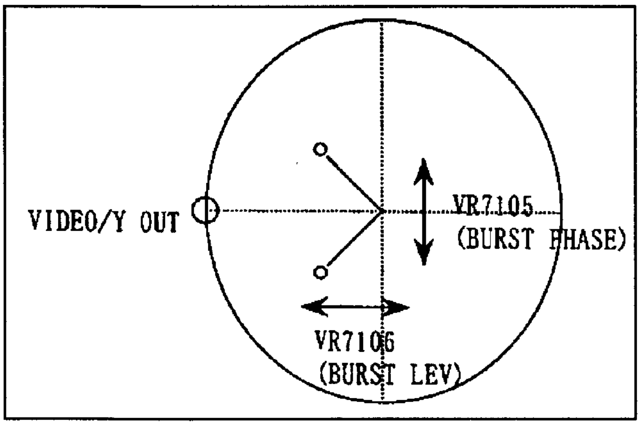
1. Set the burst position of the vector scope.
2. Adjust VR301, VR302, VR104 and VR103 so that each vector is in the respective ⊞ on the vector scope.



4-6-7. Burst Adjustment

BOARD	VIDEO I/O
SPEC.	0.3V ± 1%
TEST	VIDEO / Y OUT
ADJUST	VR (BURST LEV), VR105 (BURST PHASE)
TAPE	VFM3680KM (100% colour bar)
INPUT	-------
MODE	PLAY
M.EQ	Vector Scope

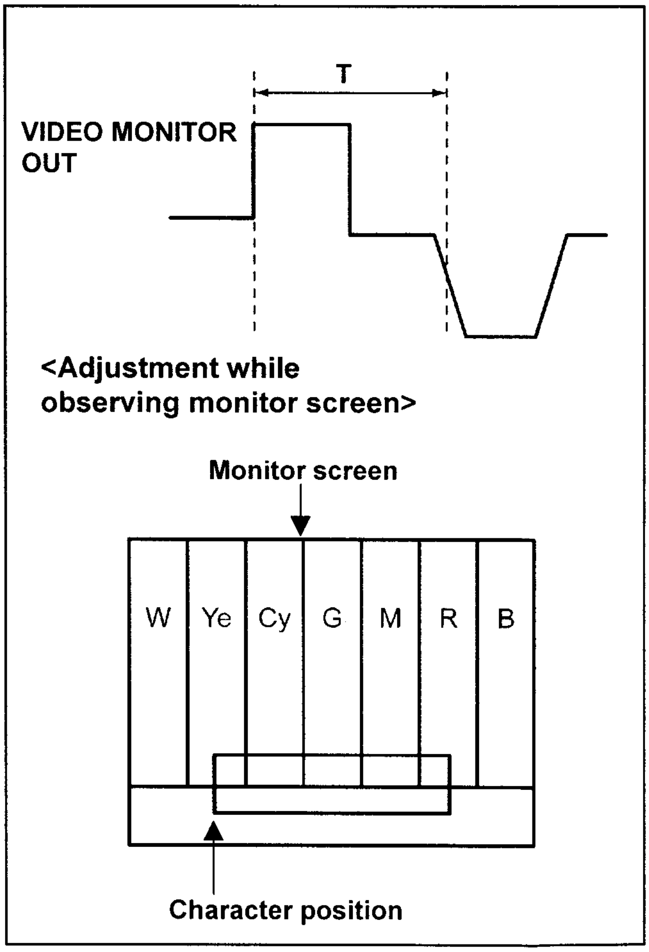
1. Adjust VR105 and VR106 alternately so that burst fit the scale.


VIDEO/Y OUT
VR7105
(BURST PHASE)
VR7106
(BURST LEV)

4-6-8. OSD Chara. Position Adjustment

BOARD	VIDEO I/O
SPEC.	T= 5 ± 0.4μsec
TEST	VIDEO MON OUT
ADJUST	VC401 (CHAR)
TAPE	-------
INPUT	75% colour bar
MODE	EE
M.EQ	WFM monitor, Monitor display

1. Connect VIDEO MONITOR OUT to the WFM monitor.
2. Observing the waveform on the WFM monitor, adjust VC401 so that T portion of the waveform is within the specification.


T
VIDEO MONITOR OUT
<Adjustment while observing monitor screen>
Monitor screen
W
Ye
Cy
G
M
R
B
Character position

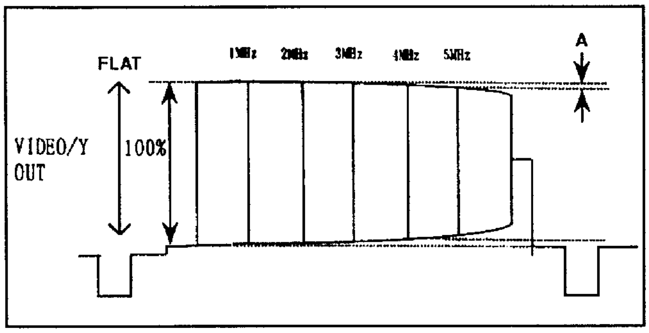
* 1. On-screen menu mode "006: CHARA TYPE" must be WHITE.

* 2. Adjustment while observing the monitor screen is possible. Check result against waveform on WFM monitor.

4-6-9. Composite Y Freq. Adjustment

BOARD	VIDEO I/O
SPEC.	A: 5MHz = 0±2%
TEST	VIDEO / Y OUT
ADJUST	VR3 (CPS FRQ)
TAPE	VFM3680KM (H SWEEP)
INPUT	--------
MODE	PLAY
M.EQ	WFM

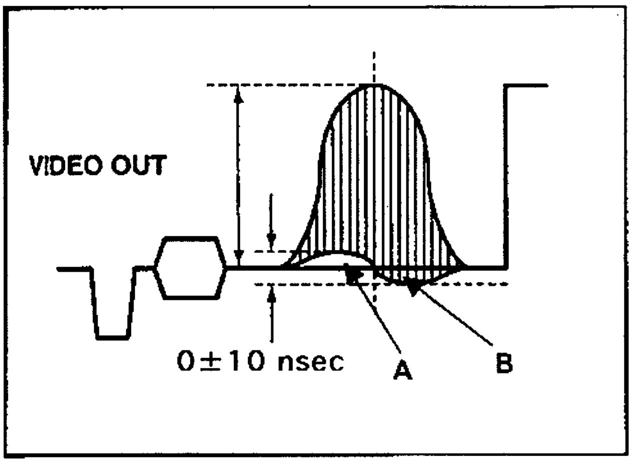
1. Adjust VR3 so that the level A is within specification.


FLAT
1MHz
2MHz
3MHz
4MHz
5MHz
A
VIDEO/Y OUT
100%

4-6-10.Composite YC Timing Adjustment

BOARD	VIDEO I/O
SPEC.	0±10nsec
TEST	VIDEO / Y OUT
ADJUST	VR112 (C DLY)
TAPE	VFM3680KM (2T pulse & bar)
INPUT	--------
MODE	PLAY
M.EQ	WFM

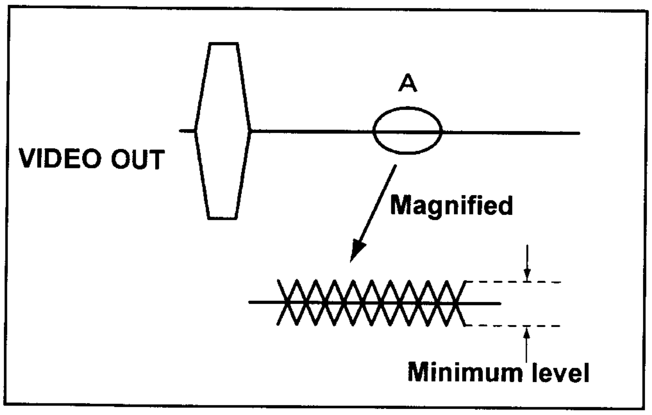
1. Observing VIDEO OUT waveform on the WFM monitor, adjust VR112 so that the level at A and B are the same.


VIDEO OUT
0±10 nsec
A
B

4-6-11. PR/PB Signal Balance Adjustment

BOARD	VIDEO I/O
SPEC.	A= 8mVp-p or below
TEST	VIDEO OUT
ADJUST	VR703 (PR CLAMP DC), VR704 (PB CLAMP DC)
TAPE	-------
INPUT	50% flat field
MODE	EE
M.EQ	WFM monitor

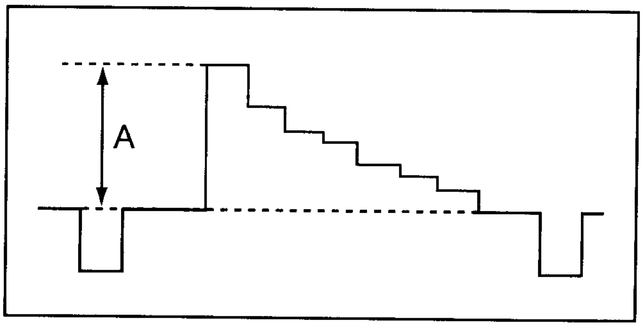
1. Set WFM monitor: single line sweep mode, chroma filter on, gain at max., time base at MAG.
2. Expand the portion A as shown in the figure below. Adjust VR703 and VR704 so that the portion A is at the minimum level.



4-6-12. Component Y Level Adjustment

BOARD	VIDEO I/O
SPEC.	A = 0.7V ± 1%
TEST	VIDEO / Y OUT
ADJUST	VR1 (CPN LEV)
TAPE	VFM3680KM (100% colour bar)
INPUT	--------
MODE	PLAY
M.EQ	WFM

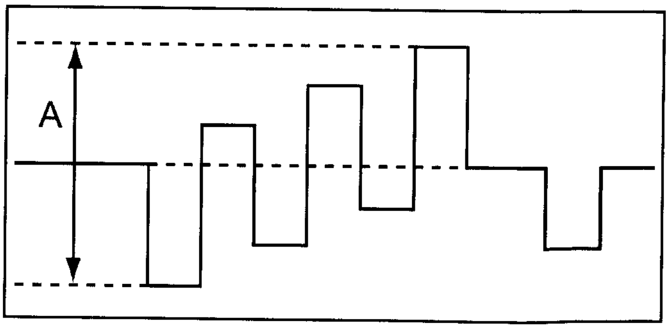
1. Adjust VR1 so that the level A is within specification.



4-6-13. Component Pb Level Adjustment

BOARD	VIDEO I/O
SPEC.	A = 0.7V ± 1%
TEST	Pb OUT
ADJUST	VR 113 (BY OUT LEV)
TAPE	VFM3680KM (100% colour bar)
INPUT	-------
MODE	PLAY
M.EQ	WFM

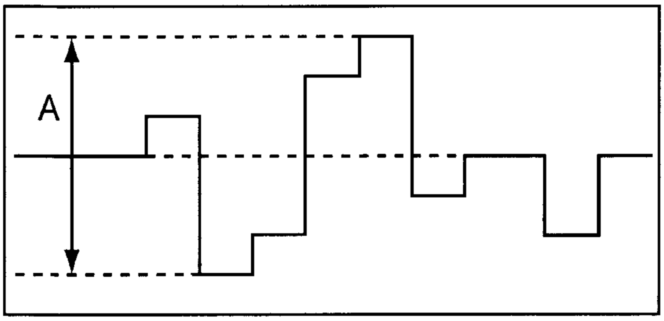
1. Adjust VR113 so that the level A is within specification.



4-6-14. Component Pr Level Adjustment

BOARD	VIDEO I/O
SPEC.	A = 0.7V ± 1%
TEST	Pr OUT
ADJUST	VR 114 (RY OUT LEV)
TAPE	VFM3680KM (100% colour bar)
INPUT	-------
MODE	PLAY
M.EQ	WFM

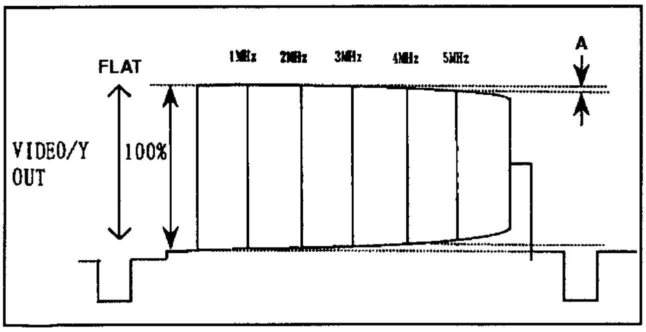
1. Adjust VR114 so that the level A is within specification.



4-6-15. Component Y Freq. Adjustment

BOARD	VIDEO I/O
SPEC.	A: 5.0MHz = 0 ± 2%
TEST	VIDEO /Y OUT
ADJUST	VR2 (CPN FRQ)
TAPE	VFM3680KM (H SWEEP)
INPUT	-------
MODE	PLAY
M.EQ	WFM

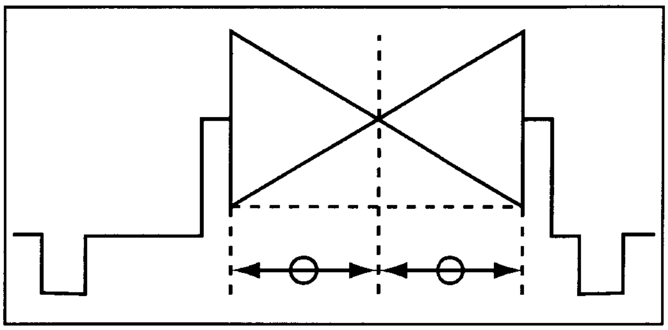
1. Adjust VR2 so that the level A is within specification.



4-6-16. Component Y Pb/Pr Timing Adjustment

BOARD	VIDEO I/O
SPEC.	Cross point at the centre (0 ± 10nsec)
TEST	Pb OUT / Pr OUT
ADJUST	VR107 (BY DLY), VR110 (RY DLY)
TAPE	VFM3680KM (BOWTIE)
INPUT	-------
MODE	PLAY
M.EQ	WFM

1. Adjust VR107 (VR110) so that the cross point of envelope at the centre.



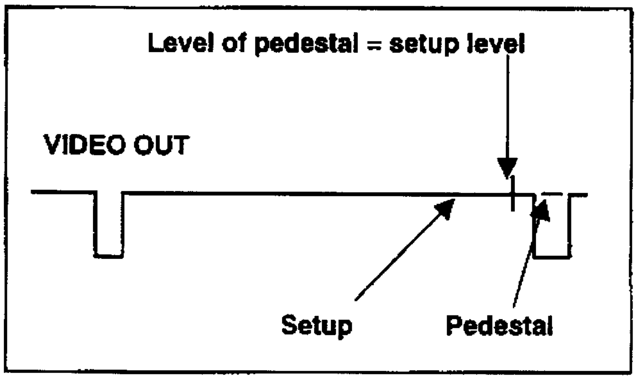
4-6-17. AD Y Clamp Level Adjustment

BOARD	VIDEO I/O
SPEC.	± 5mV
TEST	VIDEO / Y OUT
ADJUST	VR602 (Y CLAMP DC)
TAPE	-------
INPUT	0% flat field
MODE	EE
M.EQ	WFM

Notes:

1. Set the Y filter ON.
2. If the signal level fluctuates, set SETUP MENU 600 OUT VSYNC to VF mode. Return back to N-VF mode after adjustment.

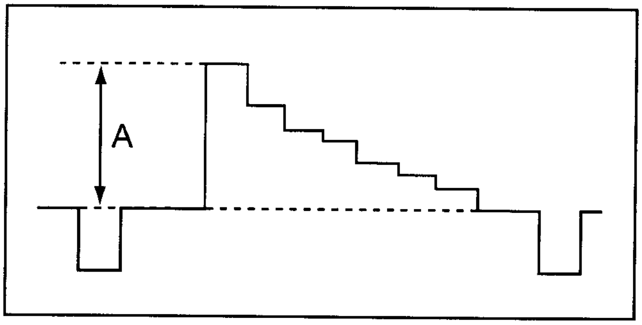
1. Connect VIDEO OUT to the WFM monitor.
2. Observing the waveform on the WFM monitor, adjust VR602 so that the pedestal level is at the setup level.



4-6-18. Component Y Level Adjustment (Rec)

BOARD	VIDEO I/O
SPEC.	0.7V ± 1%
TEST	VIDEO / Y OUT
ADJUST	VR601 (CPN Y LEV)
TAPE	-------
INPUT	100% colour bar
MODE	EE
M.EQ	WFM

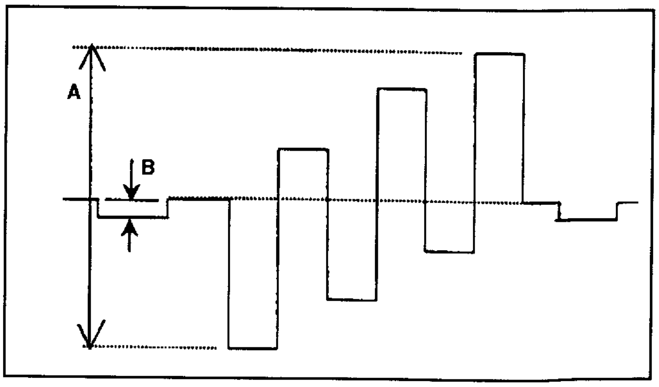
1. Adjust VR601 so that the level A is within specification.



4-6-19. Component Pb/Pr Level Adjustment (Rec)

BOARD	VIDEO I/O
SPEC.	A = 0.7V ± 1%, B =0mV ± 5mV
TEST	Pb OUT, Pr OUT
ADJUST	VR702 (CPN PB LEV), VR704 (PB CLAMP DC) VR701 (CPN PR LEV), VR703 (PR CLAMP DC)
TAPE	-------
INPUT	100% colour bar
MODE	EE
M.EQ	WFM

1. Adjust VR702 (VR701) so that the level A is within specification.
2. Adjust VR704 (VR703) so that the level B is within specification.

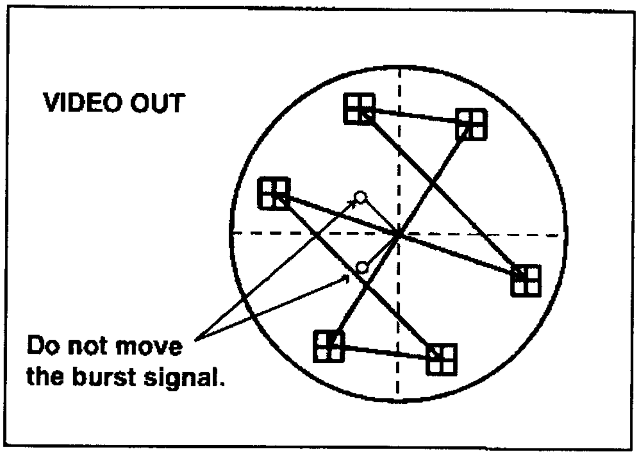


4-6-20. Chroma Adjustment

BOARD	VIDEO I/O
SPEC.	All vectors in ⊞
TEST	VIDEO / Y OUT
ADJUST	VR403 (AXIS)
TAPE	-------
INPUT	100% colour bar
MODE	EE
M.EQ	Vector scope

Note:
Make sure tha playback adjustment are completed.

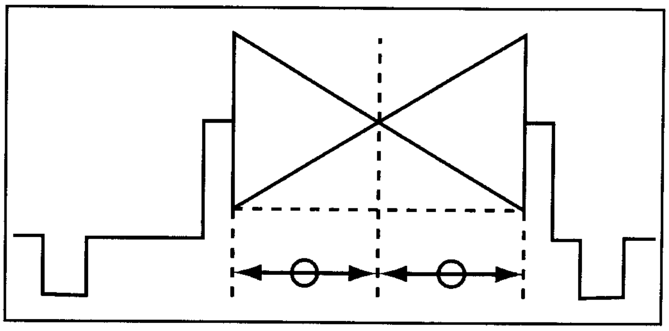
1. Set burst positions on the vector scope.
2. Adjust VR403, VR301 and VR302 so that each vector falls within ⊞ on the vector scope.



4-6-21. Component Y Pb/Pr Timming Adjustment (Rec)

BOARD	VIDEO I/O
SPEC.	Cross point at the centre (0 ± 10nsec)
TEST	Pb OUT / Pr OUT
ADJUST	VR303 (PB TMG), VR304 (PR-TMG1)
TAPE	-------
INPUT	100% BOWTIE
MODE	EE
M.EQ	WFM

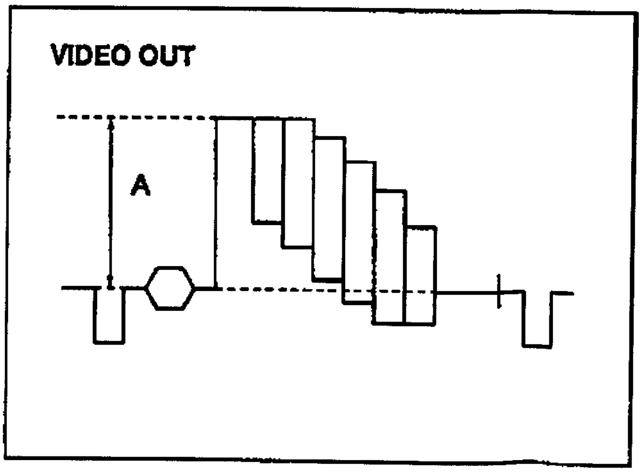
1. Adjust VR303 (VR304) so that the cross point of envelope at the centre.



4-6-22. Composite Y Input Level Adjustment

BOARD	VIDEO I/O
SPEC.	A = 0.7V ± 1%
TEST	VIDEO / Y OUT
ADJUST	VR102 (Y LEV)
TAPE	-------
INPUT	100% colour bar
MODE	EE
M.EQ	WFM

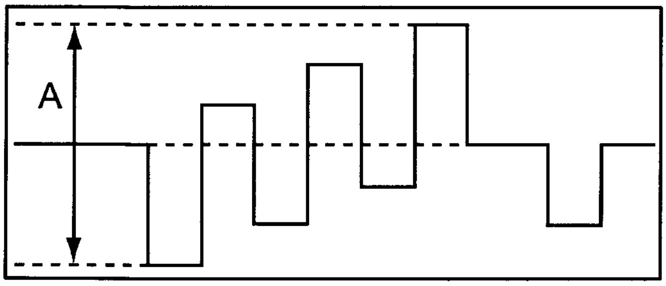
1. Adjust VR102 so that the level A is within specification.



4-6-23. Composite Pb Level Adjustment (Rec)

BOARD	VIDEO I/O
SPEC.	A = 0.7V ± 1%
TEST	Pb OUT
ADJUST	VR301 (DEC PB LEV)
TAPE	-------
INPUT	100% colour bar
MODE	EE
M.EQ	WFM

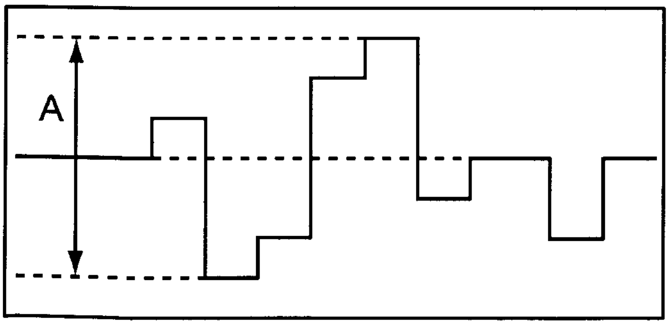
1. Adjust VR301 so that the level A is within specification.



4-6-24. Composite Pr Level Adjustment (Rec)

BOARD	VIDEO I/O
SPEC.	A=0.7V ± 1%
TEST	Pr OUT
ADJUST	VR302 (DEC PR LEV), VR403 (AXIS)
TAPE	------
INPUT	100% colour bar
MODE	EE
M.EQ	WFM

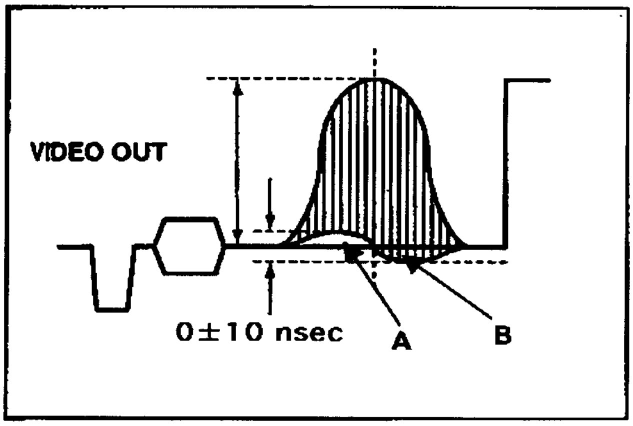
1. Adjust VR403 so that the synchronised Pr signal waveform.
2. Adjust VR302 so that the level A is within specification.



4-6-25. Composite YC Timing Adjustment (Rec)

BOARD	VIDEO I/O
SPEC.	0 ± 10nsec
TEST	VIDEO / Y OUT
ADJUST	VR103
TAPE	-------
INPUT	modurated 12.5T Pulse & Bar
MODE	EE
M.EQ	WFM

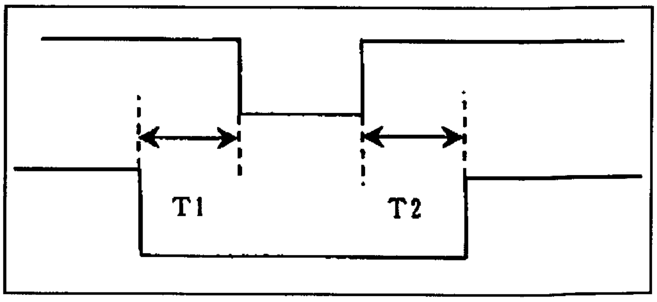
1. Observing VIDEO / Y OUT on the WFM, adjust VR103 so that the level at A and B are the same.



4-6-26. SCH Detect Adjustment

BOARD	VIDEO I/O
SPEC.	T1 = T2 ± 0.5msec
TEST	TP404 (TP1), TP403 (TP2)
ADJUST	VR402 (SCH)
TAPE	-------
INPUT	100% colour bar
MODE	EE
M.EQ	Oscilloscope

1. Confirm the DC level of TP407 is more than 4.5V.
2. Adjust VR402 so that T1 and T2 are the same.



4-7. AUDIO P.C.Board

4-7-1. Setting Set Up Menu

<Initialization>

1. Open the Set Up menu AUDIO (No. 7xx). Set the following parameters.

700	CH1 IN LV	0dB
701	CH2 IN LV	0dB
702	CH1 OUT LV	0dB
703	CH2 OUT LV	0dB
704	EMPHASIS	OFF
705	MONI SEL	PLYPCM
706	REC CUE	CH1+2
707	PB FADE	AUTO
708	MONITOR MIX	STEREO
709	H. PHONE MIX	STEREO
710	CUE OUT SET	OFF
711	PB AUDIO SEL	TR1/2
712	SDI IN SEL	N/A
713	AUD REC IN	FADE
714	EMBEDDED	N/A

2. Set SYS FORMAT of BASIC to 50M.
   007 SYS FORMAT 50M

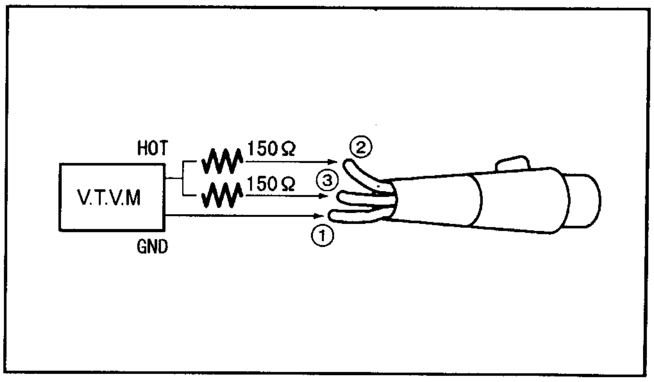
This is the initial setting.

4-7-2. Output BAL Adjustment

Note:
This adjustment must be followed by item 4-7-3.

BOARD	AV I/O
SPEC.	30mVrms or below
TEST	LINE OUT (CH1, CH2)
ADJUST	VR1 (CH1), VR2 (CH2)
TAPE	-------
INPUT	+4dB, 1KHz sine (BAL) / LINE IN
MODE	EJECT
M.EQ	Vacuum Tube Volt Meter, Monitor TV

1. Set the audio generator output as specified in the table above. Feed the signal to LINE IN.
2. Connect the V.T.V.M to the LINE OUT through resistors as shown in the figure below.
3. Adjust VR1 (CH1) and VR2 (CH2) so that level becomes minimize.



4-7-3. Output Level Adjustment

BOARD	AUDIO
SPEC.	--------
TEST	LINE OUT (CH1, CH2)
ADJUST	VR201 (CH1), VR202 (CH2) and setup menu
TAPE	VFM3680KM (+4dB, 1KHz)
INPUT	--------
MODE	PLAY
M.EQ	Audio Precision, Monitor TV

1. While playing back a Alignment tape recorded at 1 kHz, +4 dB, adjust VR201 (CH1) and VR202 (CH2) so that the LINE OUT level becomes +4±0.5dBm.
2. Open the setup menu. Change the output level for each channel and check the resultant output level.

Output level setting	Output level
+ 4dB	+ 4dBm ± 0.5dBm
0dB	0dBm ± 0.2dBm
- 3dB	- 3dBm ± 0.5dBm
- 20dB	- 20dBm ± 0.5dBm

3. While checking output level, also verify that the output is no distortion.
4. Reset the output level of each channel to "0dB".

Note:
Keep the playback VR at UNIT (pressed).

4-7-4. Input Level Adjustment

BOARD	AUDIO
SPEC.	--------
TEST	LINE OUT (CH1, CH2)
ADJUST	VR101 (CH1), VR102 (CH2) and setup menu
TAPE	--------
INPUT	sine (BAL)/+4,0,-3,-20dBm, 1KHZ
MODE	EJECT
M.EQ	Audio Precision, Monitor TV

1. Apply 1 kHz, + 4 dBm signal to LINE IN.
2. Adjust VR101 (CH1) and VR102 (CH2) so that the LINE OUT level becomes +4 ± 0.2 dBm.
3. Open the setup menu. Change the input level for each channel and check the resultant output level.

Input level	Input level setting	Output level
+ 4dBu	+ 4dB	0dBu ± 1.0dB
0dBu	0dB	0dBu ± 0.2dB
- 3dBu	- 3dB	0dBu ± 1.0dB
- 20dBu	- 20dB	0dBu ± 1.0dB

4. Reset the input level of each channel to "0dB".

4-7-5. CUE AUDIO PB Level Adjustment

BOARD	AUDIO
SPEC.	0dBu ± 0.5dBu
TEST	MONITOR OUT
ADJUST	VR505
TAPE	VFM3680KM (CUE REF LEVEL 0dB, 1KHz)
INPUT	--------
MODE	PLAY
M.EQ	Audio Precision, Monitor TV

Note:
Set the input impedance of the Audio Analyzer to high (100 kΩ).

1. Open the setup menu and set to:
   705 MONI SEL PLYCUE
2. While playing the alignment tape of CUE REF LEVEL at 0 dB, 1 kHz, adjust VR505 so that MONITOR OUT level is at 0 ± 0.5 dBu.

4-7-6. CUE AUDIO Bias Adjustment

BOARD	AUDIO
SPEC.	7.0mVrms ± 0.2mVrms
TEST	TP401, TP402(GND)
ADJUST	VR402
TAPE	Blank tape
INPUT	--------
MODE	REC
M.EQ	Vacuum Tube Volt Meter Audio Precision, Monitor TV

1. Connect the V.T.V.M across TP401 and TP402 (GND). Adjust VR402 so that the reading of the V.T.V.M is within the specification.

4-7-7. CUE Noise Cancel Adjustment (50M mode)

BOARD	AUDIO
SPEC.	-40dBu or below
TEST	MONITOR OUT
ADJUST	VR503, VR501
TAPE	Blank tape
INPUT	--------
MODE	PLAY
M.EQ	Audio Precision, Monitor TV

1. Connect a 600 Hz bandpass filter to MONITOR OUT.
2. Set the Audio Analyzer:
   MEASURE : BANDPASS
   BP/BR FREQ : 600Hz
   FILTER : OFF
3. While playback the blank tape, adjust VR503 and VR501 repeatedly until the noise reduces to the lowest level.

4-7-8. CUE Noise Cancel Adjustment (150Hz)

BOARD	AUDIO
SPEC.	- 40dBu or below
TEST	MONITOR OUT
ADJUST	VR506
TAPE	Blank tape
INPUT	--------
MODE	PLAY
M.EQ	Audio Precision, Monitor TV

1. Set the VTR to 50 M mode.
2. Connect a 150 Hz bandpass filter to MONITOR OUT.
3. Set the Audio Analyzer:
   MEASURE : BANDPASS
   BP/BR FREQ : 150Hz
   FILTER : OFF
4. While playback the blank tape, adjust VR506 until the noise reduces to the lowest level.

4-7-9. CUE Noise Cancel Adjustment (25M mode)

BOARD	AUDIO
SPEC.	-35dBu or below
TEST	MONITOR OUT
ADJUST	VR504, VR502
TAPE	Blank tape
INPUT	--------
MODE	PLAY
M.EQ	Audio Precision, Monitor TV

1. Set the VTR to 25M mode.
2. Connect a 300 Hz bandpass filter to MONITOR OUT.
3. Set the Audio Analyzer:
   MEASURE : BANDPASS
   BP/BR FREQ : 300Hz
   FILTER : OFF
4. While playback the blank tape, adjust VR504 and VR502 repeatedly until the noise reduces to the lowest level.
5. After completed adjustment, set the VTR to 50M mode.

4-7-10. AUDIO Recording/Playing Level Adjustment

BOARD	AUDIO
SPEC.	0dBu ± 0.5dBu
TEST	MONITOR OUT
ADJUST	VR401
TAPE	Blank tape
INPUT	sine BAL (+ 4dBm, 1KHz)
MODE	Self-recording/playing back, compatible playback
M.EQ	Audio Precision, Vacuum Tube Volt Meter Monitor TV

1. Set the Audio Analyzer:
   AMPLITUDE
   BANDWIDTH : 22Hz, 22KHz
   FILTER : OFF
2. Record +4 dBm, 1 kHz signal and playback the just recorded portion. Measure the level at the MONITOR OUT with respect to 0 dBu. and take note the reading level.
3. Set the VTR to recording mode. Adjust VR401 to offset the difference noted in step 2 above, at TP403.
4. Repeat the step 2 but verify that this time the level at MONITOR OUT is 0±0.5 dBu. If not, repeat steps 2 and 3.
5. Set the VTR to 25M mode. Repeat step 2. This time, MONITOR OUT must read 0 ± 2 dBu.
6. Set the VTR to 50M mode.

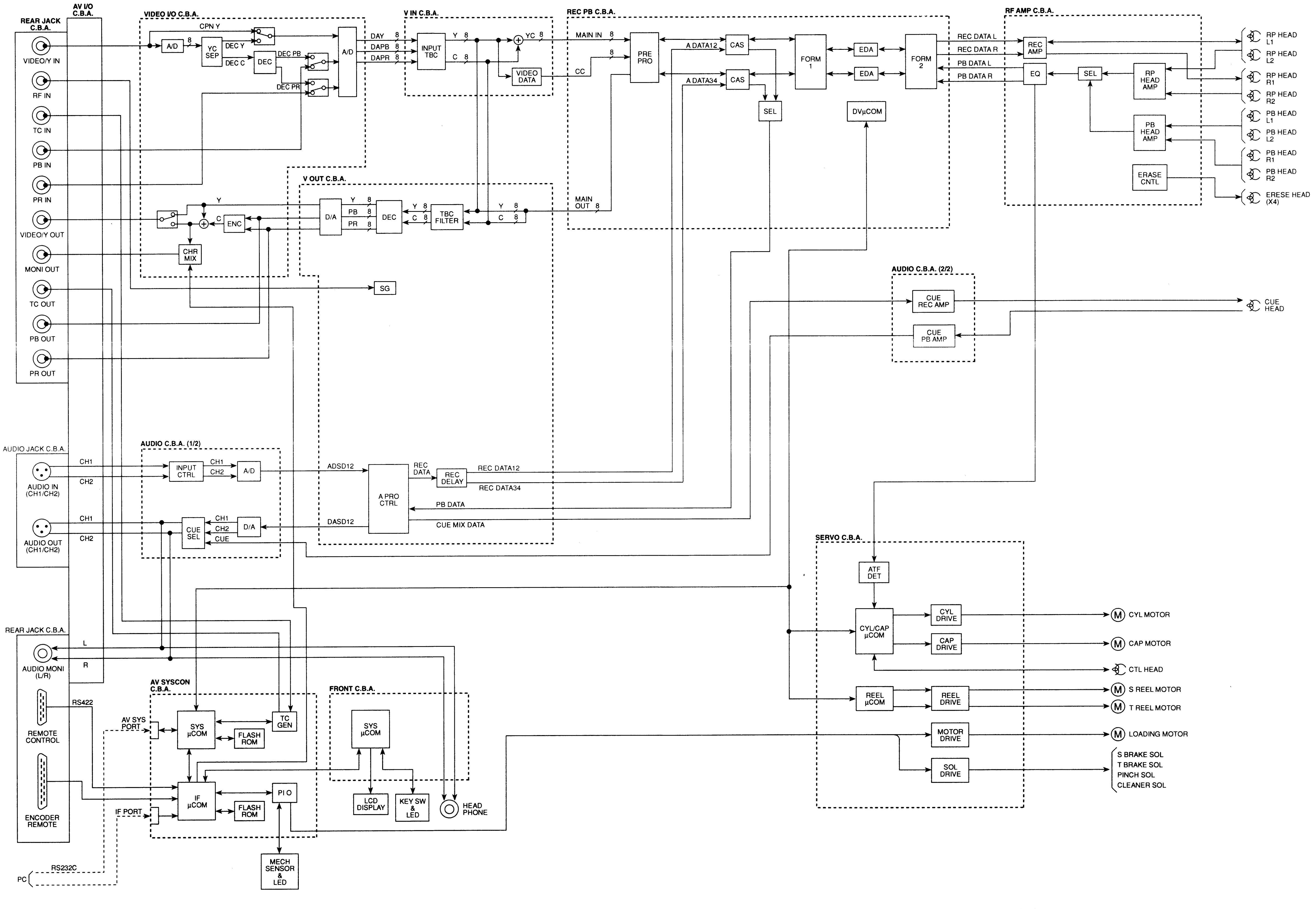
SECTION 5

BLOCK DIAGRAMS

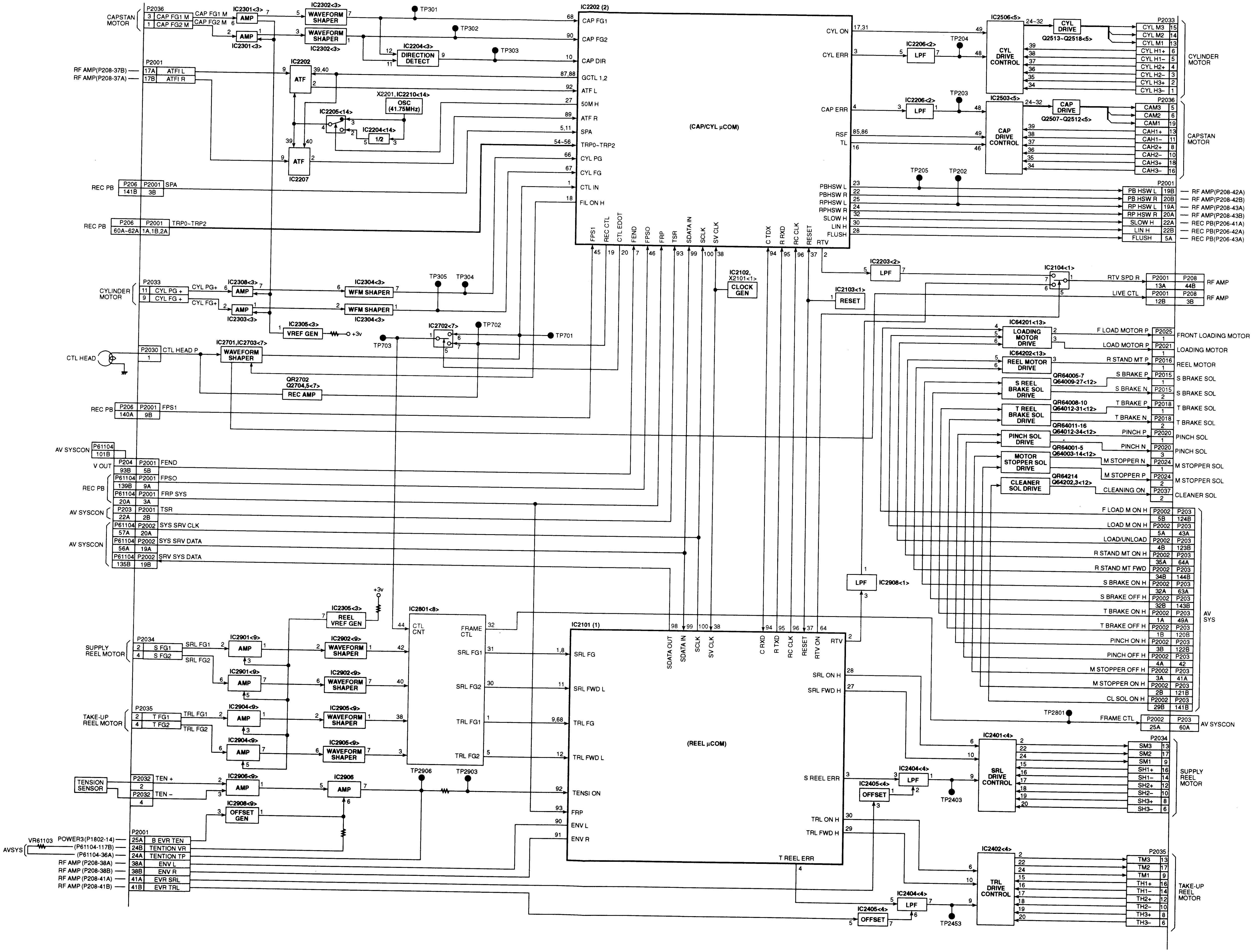
CONTENTS

OVERALL BLOCK DIAGRAM BLK-1
SERVO BLOCK DIAGRAM BLK-2
VIDEO I/O BLOCK DIAGRAM BLK-3
V IN BLOCK DIAGRAM BLK-4
REC PB BLOCK DIAGRAM BLK-5
V OUT BLOCK DIAGRAM BLK-6
RF AMP BLOCK DIAGRAM BLK-7
AUDIO BLOCK DIAGRAM BLK-8
AV SYSCON BLOCK DIAGRAM BLK-9

OVERALL BLOCK DIAGRAM

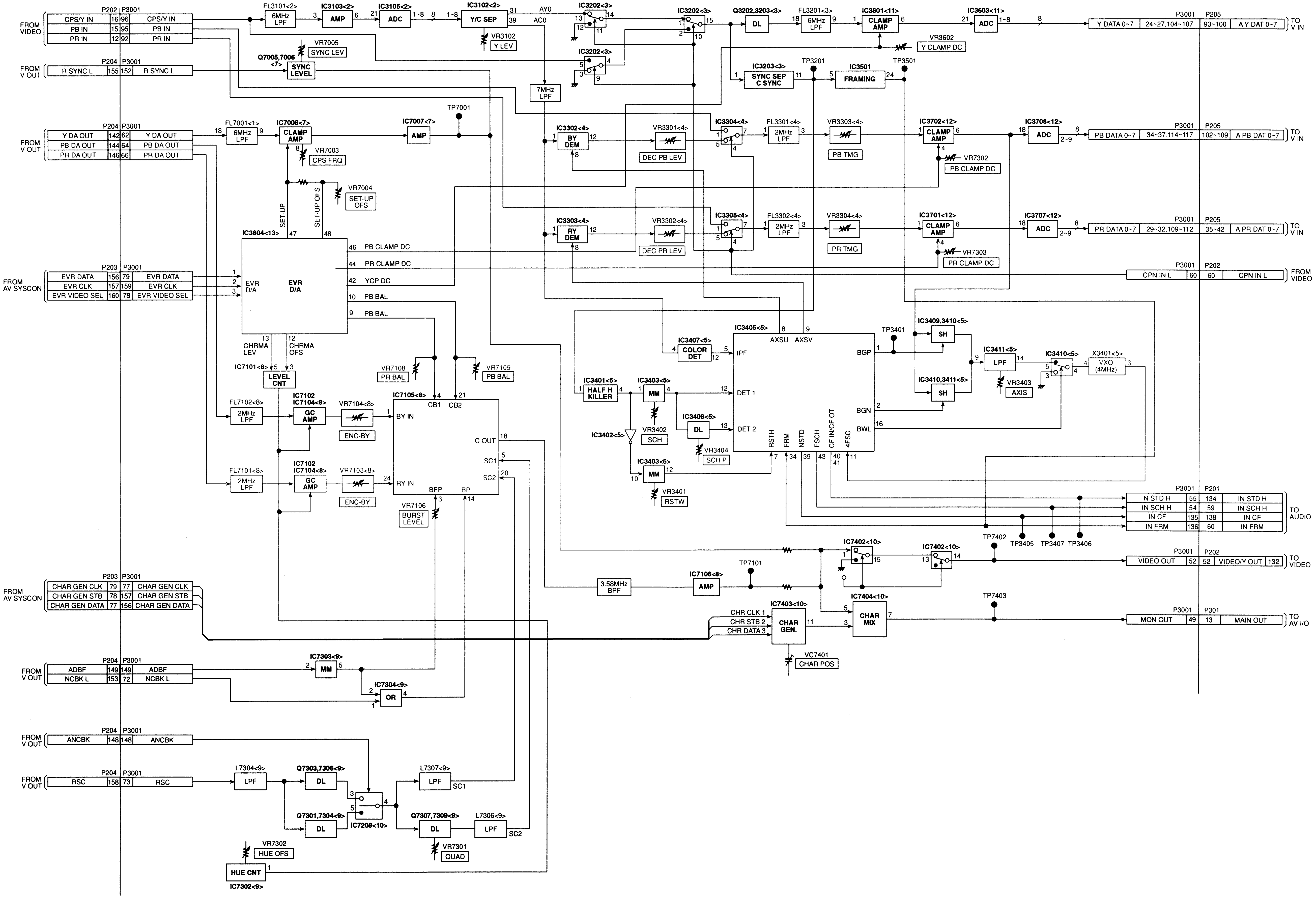

REAR JACK C.B.A.
AV I/O C.B.A.
VIDEO/Y IN
RF IN
TC IN
PB IN
PR IN
VIDEO/Y OUT
MONI OUT
TC OUT
PB OUT
PR OUT
VIDEO I/O C.B.A.
CPN Y
A/D
8
YC SEP
DEC Y
DEC C
DEC
DEC PB
DEC PR
A/D
DAY 8
DAPB 8
DAPR 8
V IN C.B.A.
INPUT TBC
Y 8
C 8
YC 8
VIDEO DATA
REC PB C.B.A.
MAIN IN 8
8
CC
PRE PRO
A DATA12
A DATA34
CAS
CAS
SEL
FORM 1
EDA
EDA
FORM 2
DVμCOM
MAIN OUT 8
REC DATA L
REC DATA R
PB DATA L
PB DATA R
RF AMP C.B.A.
REC AMP
EQ
SEL
RP HEAD AMP
PB HEAD AMP
ERASE CNTL
RP HEAD L1
RP HEAD L2
RP HEAD R1
RP HEAD R2
PB HEAD L1
PB HEAD L2
PB HEAD R1
PB HEAD R2
ERESE HEAD (X4)
V OUT C.B.A.
Y
C
ENC
D/A
Y 8
PB 8
PR 8
DEC
Y 8
C 8
TBC FILTER
Y 8
C 8
CHR MIX
SG
AUDIO C.B.A. (2/2)
CUE REC AMP
CUE PB AMP
CUE HEAD
AUDIO JACK C.B.A.
AUDIO IN (CH1/CH2)
AUDIO OUT (CH1/CH2)
CH1
CH2
CH1
CH2
AUDIO C.B.A. (1/2)
INPUT CTRL
CH1
CH2
A/D
ADSD12
A PRO CTRL
REC DATA
REC DELAY
REC DATA12
REC DATA34
PB DATA
CUE MIX DATA
DASD12
D/A
CH1
CH2
CUE
CUE SEL
SERVO C.B.A.
ATF DET
CYL/CAP μCOM
CYL DRIVE
CAP DRIVE
REEL μCOM
REEL DRIVE
MOTOR DRIVE
SOL DRIVE
M CYL MOTOR
M CAP MOTOR
CTL HEAD
M S REEL MOTOR
M T REEL MOTOR
M LOADING MOTOR
S BRAKE SOL
T BRAKE SOL
PINCH SOL
CLEANER SOL
REAR JACK C.B.A.
L
R
AUDIO MONI (L/R)
RS422
REMOTE CONTROL
ENCODER REMOTE
AV SYSCON C.B.A.
AV SYS PORT
SYS μCOM
TC GEN
FLASH ROM
IF μCOM
FLASH ROM
PI O
IF PORT
MECH SENSOR & LED
FRONT C.B.A.
SYS μCOM
LCD DISPLAY
KEY SW & LED
HEAD PHONE
RS232C
PC

SERVO BLOCK DIAGRAM



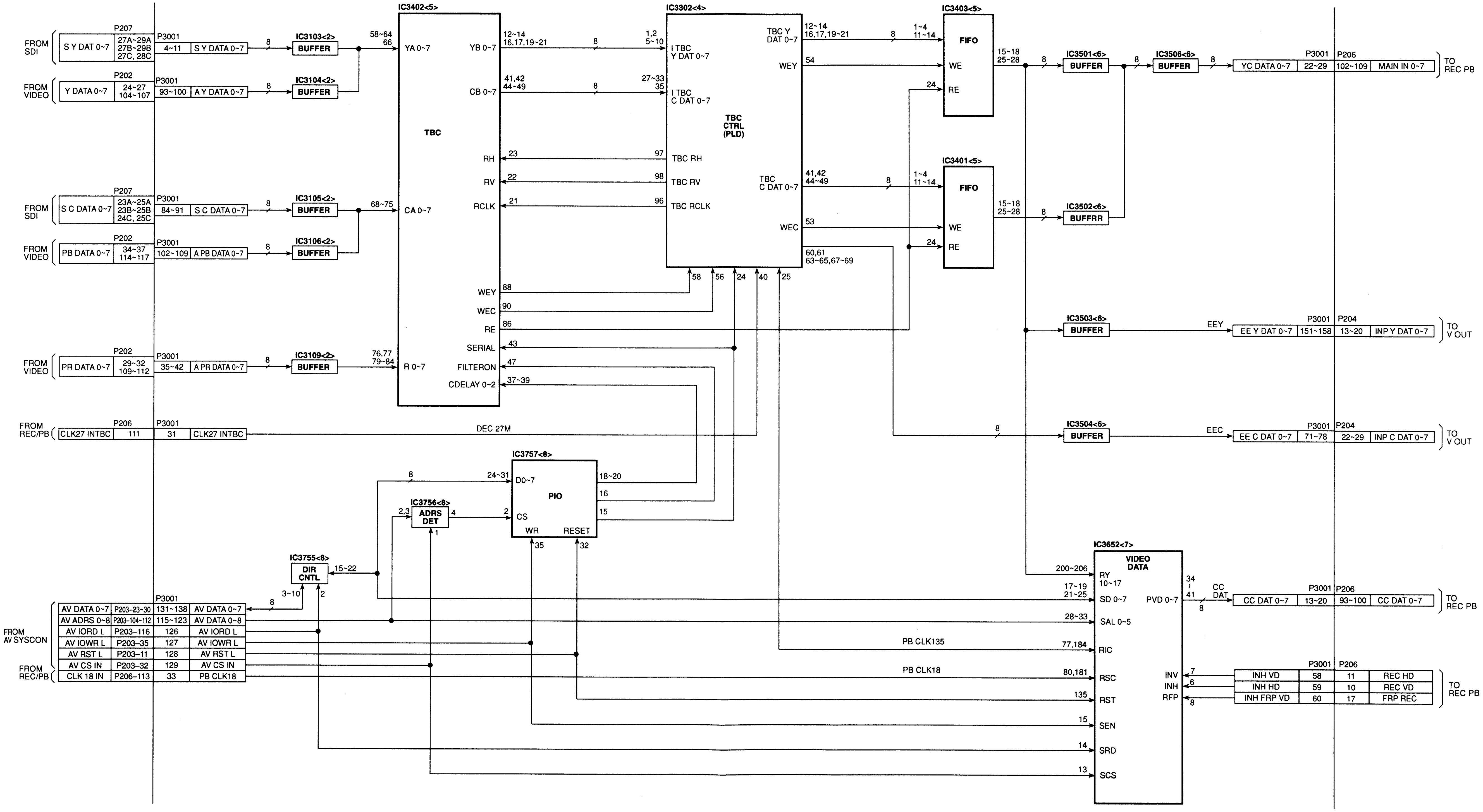
CAPSTAN MOTOR
P2036
CAP FG1 M
CAP FG2 M
IC2301<3>
AMP
IC2302<3>
WAVEFORM SHAPER
TP301
TP302
TP303
IC2204<3>
DIRECTION DETECT
RF AMP(P208-37B)
RF AMP(P208-37A)
P2001
ATFI L
ATFI R
IC2202
ATF
X2201, IC2210<14>
OSC (41.75MHz)
IC2205<14>
IC2204<14>
1/2
IC2207
REC PB
P206
SPA
TRP0~TRP2
IC2202 (2)
CAP FG1
CAP FG2
CAP DIR
GCTL 1,2
ATF L
50M H
ATF R
SPA
TRP0~TRP2
CYL PG
CYL FG
CTL IN
FIL ON H
(CAP/CYL μCOM)
FPS1
REC CTL
CTL EDOT
FEND
FPSO
FRP
TSR
SDATA IN
SCLK
SV CLK
C TDX
R RXD
RC CLK
RESET
RTV
CYL ON
CYL ERR
CAP ERR
RSF
TL
PBHSW L
PBHSW R
RPHSW L
RPHSW R
SLOW H
LIN H
FLUSH
IC2206<2>
LPF
TP204
TP203
TP205
TP202
IC2506<5>
CYL DRIVE CONTROL
CYL DRIVE
Q2513~Q2518<5>
P2033
CYL M3
CYL M2
CYL M1
CYL H1+
CYL H1−
CYL H2+
CYL H2−
CYL H3+
CYL H3−
CYLINDER MOTOR
IC2503<5>
CAP DRIVE CONTROL
CAP DRIVE
Q2507~Q2512<5>
CAM3
CAM2
CAM1
CAH1+
CAH1−
CAH2+
CAH2−
CAH3+
CAH3−
CAPSTAN MOTOR
PB HSW L
PB HSW R
RP HSW L
RP HSW R
SLOW H
LIN H
FLUSH
RF AMP(P208-42A)
RF AMP(P208-42B)
RF AMP(P208-43A)
RF AMP(P208-43B)
REC PB(P206-41A)
REC PB(P206-42A)
REC PB(P206-43A)
IC2203<2>
IC2104<1>
RTV SPD R
LIVE CTL
RF AMP
IC2102, X2101<1>
CLOCK GEN
IC2103<1>
RESET
CYLINDER MOTOR
CYL PG +
CYL FG +
IC2308<3>
IC2303<3>
IC2304<3>
WFM SHAPER
TP305
TP304
IC2305<3>
VREF GEN
+3v
IC2702<7>
TP702
TP703
TP701
CTL HEAD
P2030
CTL HEAD P
IC2701, IC2703<7>
WAVEFORM SHAPER
QR2702 Q2704,5<7>
REC AMP
FPS1
AV SYSCON
P61104
V OUT
FEND
FPSO
FRP SYS
TSR
SYS SRV CLK
SYS SRV DATA
SRV SYS DATA
IC64201<13>
LOADING MOTOR DRIVE
F LOAD MOTOR P
FRONT LOADING MOTOR
LOAD MOTOR P
LOADING MOTOR
IC64202<13>
REEL MOTOR DRIVE
R STAND MT P
REEL MOTOR
S REEL BRAKE SOL DRIVE
QR64005-7 Q64009-27<12>
S BRAKE P
S BRAKE N
S BRAKE SOL
T REEL BRAKE SOL DRIVE
QR64008-10 Q64012-31<12>
T BRAKE P
T BRAKE N
T BRAKE SOL
PINCH SOL DRIVE
QR64011-16 Q64012-34<12>
PINCH P
PINCH N
PINCH SOL
MOTOR STOPPER SOL DRIVE
QR64001-5 Q64003-14<12>
M STOPPER N
M STOPPER P
M STOPPER SOL
CLEANER SOL DRIVE
QR64214 Q64202,3<12>
CLEANING ON
CLEANER SOL
F LOAD M ON H
LOAD M ON H
LOAD/UNLOAD
R STAND MT ON H
R STAND MT FWD
S BRAKE ON H
S BRAKE OFF H
T BRAKE ON H
T BRAKE OFF H
PINCH ON H
PINCH OFF H
M STOPPER OFF H
M STOPPER ON H
CL SOL ON H
AV SYS
TP2801
FRAME CTL
AV SYSCON
LPF
IC2908<1>
IC2305<3>
REEL VREF GEN
IC2801<8>
CTL CNT
FRAME CTL
SRL FG1
SRL FG2
TRL FG1
TRL FG2
SUPPLY REEL MOTOR
P2034
S FG1
S FG2
IC2901<9>
IC2902<9>
TAKE-UP REEL MOTOR
P2035
T FG1
T FG2
IC2904<9>
IC2905<9>
TENSION SENSOR
P2032
TEN +
TEN −
IC2906<9>
IC2906
IC2908<9>
OFFSET GEN
TP2906
TP2903
IC2101 (1)
(REEL μCOM)
SRL FG
SRL FWD L
TRL FG
TRL FWD L
TENSI ON
FRP
ENV L
ENV R
SDATA OUT
SDATA IN
SCLK
SV CLK
C RXD
R TXD
RC CLK
RESET
RTV ON
RTV
SRL ON H
SRL FWD H
S REEL ERR
TRL ON H
TRL FWD H
T REEL ERR
VR61103
AVSYS
POWER3(P1802-14)
(P61104-117B)
(P61104-36A)
RF AMP (P208-38A)
RF AMP (P208-38B)
RF AMP (P208-41A)
RF AMP (P208-41B)
B EVR TEN
TENTION VR
TENTION TP
ENV L
ENV R
EVR SRL
EVR TRL
IC2404<4>
IC2405<4>
OFFSET
TP2403
TP2453
IC2401<4>
SRL DRIVE CONTROL
SM3
SM2
SM1
SH1+
SH1−
SH2+
SH2−
SH3+
SH3−
SUPPLY REEL MOTOR
IC2402<4>
TRL DRIVE CONTROL
TM3
TM2
TM1
TH1+
TH1−
TH2+
TH2−
TH3+
TH3−
TAKE-UP REEL MOTOR

VIDEO I/O BLOCK DIAGRAM

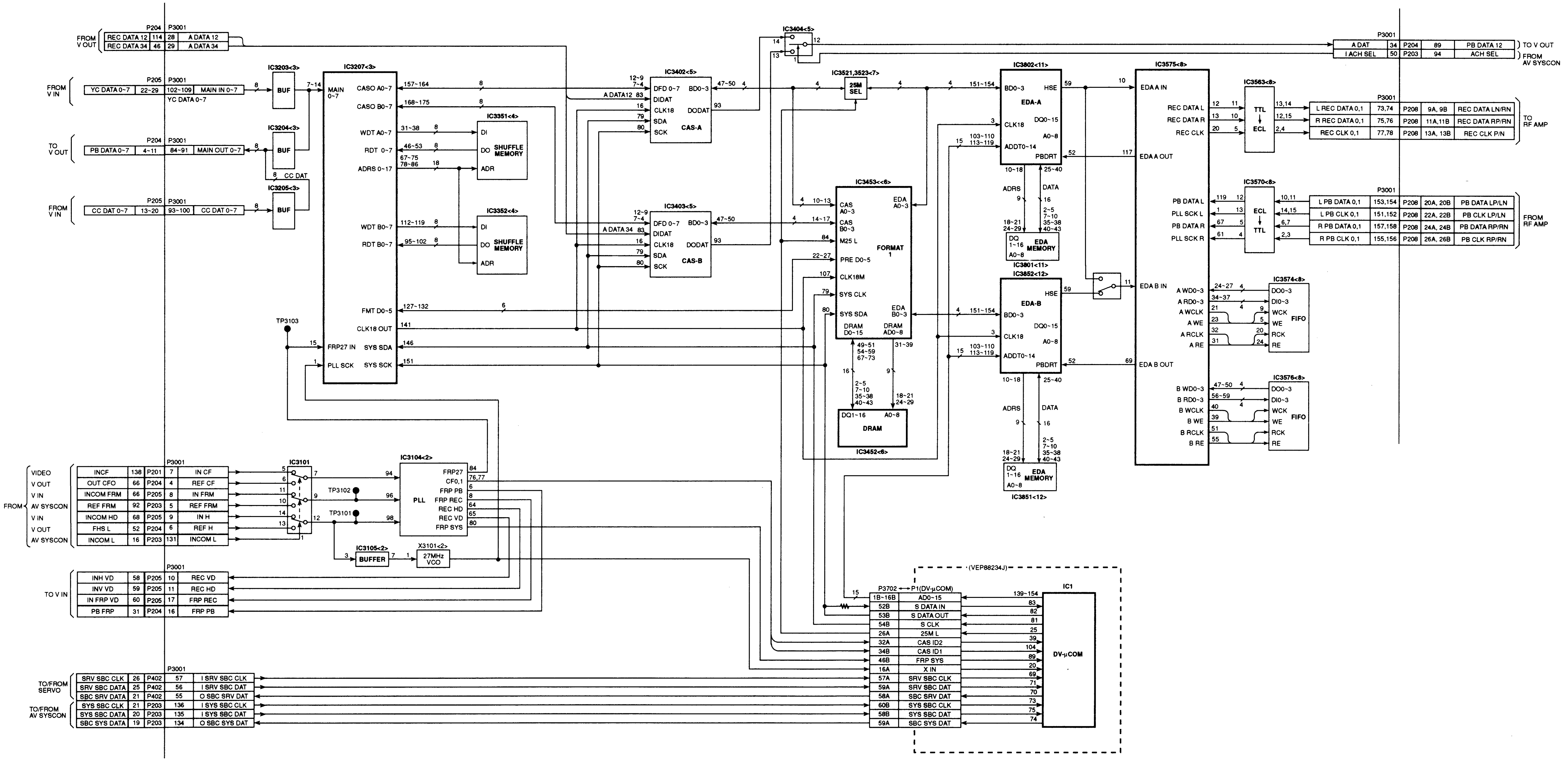


FROM VIDEO
P202 P3001
CPS/Y IN 16 96 CPS/Y IN
PB IN 15 95 PB IN
PR IN 12 92 PR IN
FROM V OUT
P204 P3001
R SYNC L 155 152 R SYNC L
FROM V OUT
P204 P3001
Y DA OUT 142 62 Y DA OUT
PB DA OUT 144 64 PB DA OUT
PR DA OUT 146 66 PR DA OUT
FROM AV SYSCON
P203 P3001
EVR DATA 156 79 EVR DATA
EVR CLK 157 159 EVR CLK
EVR VIDEO SEL 160 78 EVR VIDEO SEL
FROM AV SYSCON
P203 P3001
CHAR GEN CLK 79 77 CHAR GEN CLK
CHAR GEN STB 78 157 CHAR GEN STB
CHAR GEN DATA 77 156 CHAR GEN DATA
FROM V OUT
P204 P3001
ADBF 149 149 ADBF
NCBK L 153 72 NCBK L
FROM V OUT
P204 P3001
ANCBK 148 148 ANCBK
FROM V OUT
P204 P3001
RSC 158 73 RSC
FL3101<2> 6MHz LPF
IC3103<2> AMP
IC3105<2> ADC
IC3102<2> Y/C SEP
AY0
AC0
VR3102 Y LEV
IC3202<3>
IC3202<3>
IC3202<3>
Q3202,3203<3> DL
FL3201<3> 6MHz LPF
IC3601<11> CLAMP AMP
VR3602 Y CLAMP DC
IC3603<11> ADC
P3001 P205
Y DATA 0~7 24~27.104~107 93~100 A Y DAT 0~7
TO V IN
VR7005 SYNC LEV
Q7005,7006<7> SYNC LEVEL
7MHz LPF
IC3203<3> SYNC SEP C SYNC
TP3201
IC3501 FRAMING
TP3501
FL7001<1> 6MHz LPF
IC7006<7> CLAMP AMP
VR7003 CPS FRQ
IC7007<7> AMP
TP7001
VR7004 SET-UP OFS
SET-UP
SET-UP OFS
IC3804<13>
EVR D/A
46 PB CLAMP DC
44 PR CLAMP DC
42 YCP DC
10 PB BAL
9 PB BAL
13 CHRMA LEV
12 CHRMA OFS
IC3302<4> BY DEM
VR3301<4> DEC PB LEV
IC3304<4>
FL3301<4> 2MHz LPF
VR3303<4> PB TMG
IC3702<12> CLAMP AMP
VR7302 PB CLAMP DC
IC3708<12> ADC
P3001 P205
PB DATA 0~7 34~37.114~117 102~109 A PB DAT 0~7
TO V IN
IC3303<4> RY DEM
VR3302<4> DEC PR LEV
IC3305<4>
FL3302<4> 2MHz LPF
VR3304<4> PR TMG
IC3701<12> CLAMP AMP
VR7303 PR CLAMP DC
IC3707<12> ADC
P3001 P205
PR DATA 0~7 29~32.109~112 35~42 A PR DAT 0~7
TO V IN
P3001 P202
CPN IN L 60 60 CPN IN L
FROM VIDEO
IC3405<5>
AXSU AXSV
IPF
BGP
DET 1
DET 2
BGN
BWL
RSTH FRM NSTD FSCH CF IN/CF OT 4FSC
IC3407<5> COLOR DET
IC3401<5> HALF H KILLER
IC3403<5> MM
VR3402 SCH
IC3408<5> DL
VR3404 SCH P
IC3402<5>
IC3403<5> MM
VR3401 RSTW
TP3401
IC3409,3410<5> SH
IC3410,3411<5> SH
IC3411<5> LPF
VR3403 AXIS
IC3410<5>
X3401<5> VXO (4MHz)
IC7101<8> LEVEL CNT
VR7108 PR BAL
VR7109 PB BAL
FL7102<8> 2MHz LPF
IC7102 IC7104<8> GC AMP
VR7104<8> ENC-BY
FL7101<8> 2MHz LPF
IC7102 IC7104<8> GC AMP
VR7103<8> ENC-BY
IC7105<8>
CB1 CB2
BY IN
RY IN
C OUT
SC1
SC2
BFP BP
VR7106 BURST LEVEL
P3001 P201
N STD H 55 134 IN STD H
IN SCH H 54 59 IN SCH H
IN CF 135 138 IN CF
IN FRM 136 60 IN FRM
TO AUDIO
TP7402 TP3405 TP3407 TP3406
IC7402<10>
IC7402<10>
P3001 P202
VIDEO OUT 52 52 VIDEO/Y OUT 132
TO VIDEO
TP7101
3.58MHz BPF
IC7106<8> AMP
IC7403<10> CHAR GEN.
CHR CLK 1
CHR STB 2
CHR DATA 3
VC7401 CHAR POS
IC7404<10> CHAR MIX
TP7403
P3001 P301
MON OUT 49 13 MAIN OUT
TO AV I/O
IC7303<9> MM
IC7304<9> OR
L7304<9> LPF
Q7303,7306<9> DL
Q7301,7304<9> DL
IC7208<10>
L7307<9> LPF SC1
Q7307,7309<9> DL
L7306<9> LPF SC2
VR7301 QUAD
VR7302 HUE OFS
HUE CNT
IC7302<9>

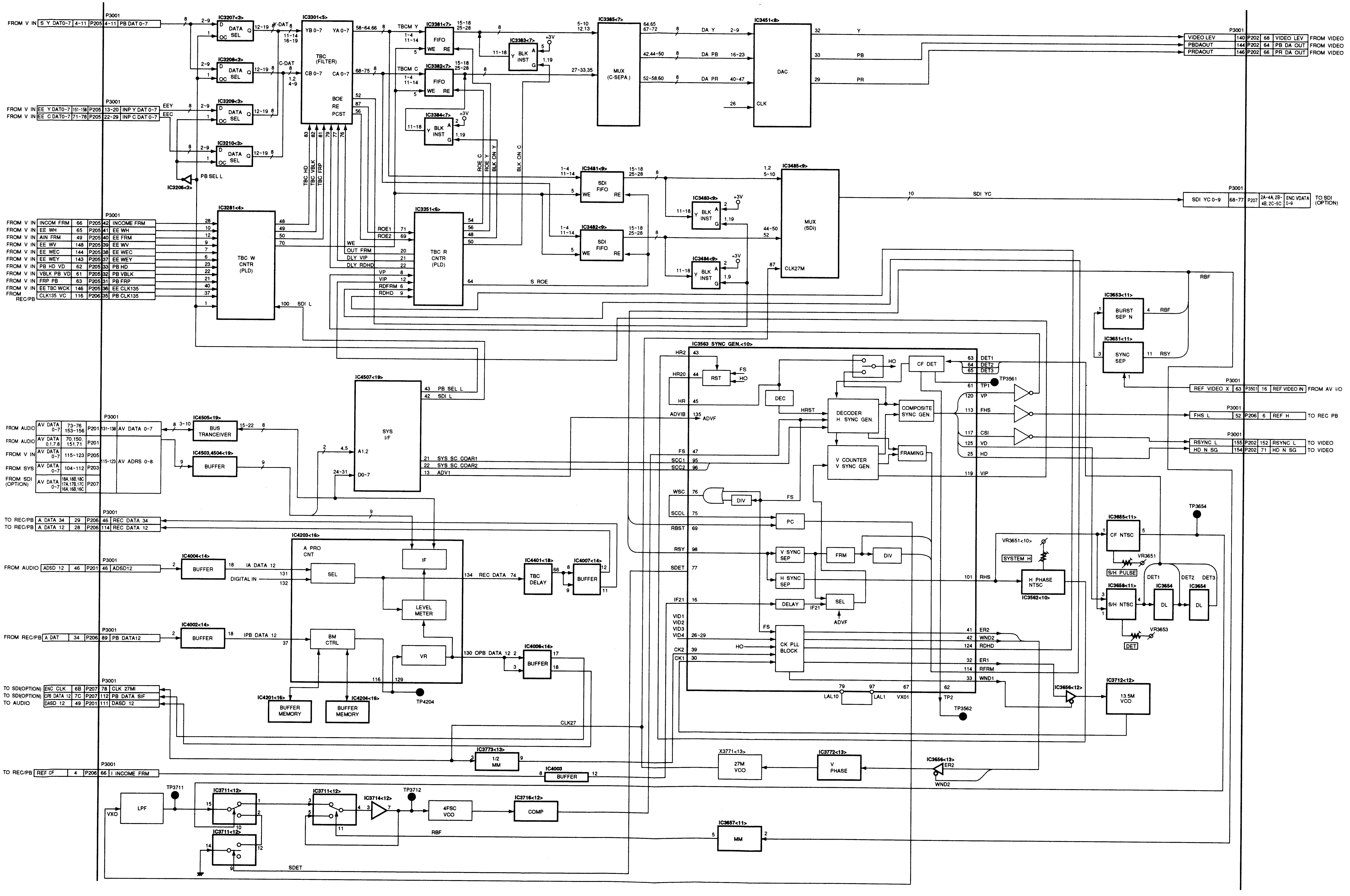
V IN BLOCK DIAGRAM


FROM SDI
S Y DAT 0~7
P207
27A~29A 27B~29B 27C, 28C
P3001
4~11
S Y DATA 0~7
IC3103<2>
BUFFER
FROM VIDEO
Y DATA 0~7
P202
24~27 104~107
93~100
A Y DATA 0~7
IC3104<2>
BUFFER
58~64 66
IC3402<5>
YA 0~7
YB 0~7
CB 0~7
TBC
RH
RV
RCLK
CA 0~7
WEY
WEC
RE
SERIAL
FILTERON
CDELAY 0~2
R 0~7
S C DATA 0~7
23A~25A 23B~25B 24C, 25C
84~91
IC3105<2>
68~75
PB DATA 0~7
34~37 114~117
102~109
A PB DATA 0~7
IC3106<2>
PR DATA 0~7
29~32 109~112
35~42
A PR DATA 0~7
IC3109<2>
76,77 79~84
FROM REC/PB
CLK27 INTBC
P206
111
31
DEC 27M
IC3302<4>
I TBC Y DAT 0~7
I TBC C DAT 0~7
TBC CTRL (PLD)
TBC RH
TBC RV
TBC RCLK
TBC Y DAT 0~7
WEY
TBC C DAT 0~7
WEC
12~14 16,17,19~21
41,42 44~49
1,2 5~10
27~33 35
60,61 63~65,67~69
IC3403<5>
FIFO
WE
RE
1~4 11~14
15~18 25~28
IC3401<5>
IC3501<6>
IC3506<6>
IC3502<6>
BUFFRR
YC DATA 0~7
22~29
102~109
MAIN IN 0~7
TO REC PB
IC3503<6>
EEY
EE Y DAT 0~7
151~158
P204
13~20
INP Y DAT 0~7
TO V OUT
IC3504<6>
EEC
EE C DAT 0~7
71~78
22~29
INP C DAT 0~7
IC3757<8>
PIO
D0~7
CS
WR
RESET
24~31
18~20
IC3756<8>
ADRS DET
IC3755<8>
DIR CNTL
15~22
3~10
FROM AV SYSCON
FROM REC/PB
AV DATA 0~7
P203~23~30
131~138
AV ADRS 0~8
P203~104~112
115~123
AV DATA 0~8
AV IORD L
P203~116
126
AV IOWR L
P203~35
127
AV RST L
P203~11
128
AV CS IN
P203~32
129
CLK 18 IN
P206~113
33
PB CLK18
PB CLK135
IC3652<7>
VIDEO DATA
RY 10~17
SD 0~7
SAL 0~5
RIC
RSC
RST
SEN
SRD
SCS
PVD 0~7
INV
INH
RFP
200~206
17~19 21~25
28~33
77,184
80,181
135
CC DAT
CC DAT 0~7
13~20
93~100
INH VD
58
11
REC HD
INH HD
59
10
REC VD
INH FRP VD
60
17
FRP REC

REC PB BLOCK DIAGRAM

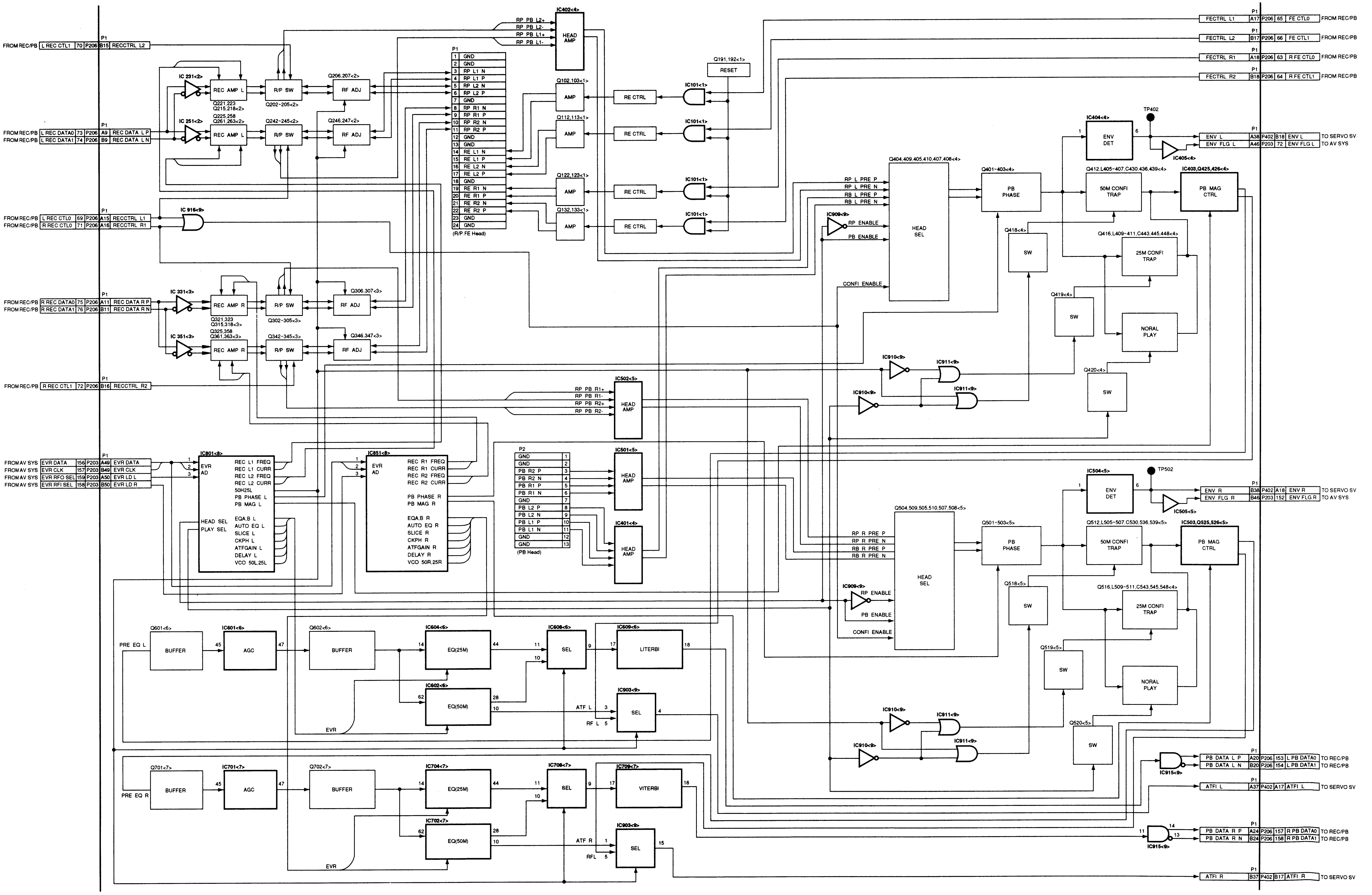

FROM V OUT
REC DATA 12
REC DATA 34
A DATA 12
A DATA 34
P204
P205
P3001
FROM V IN
YC DATA 0~7
MAIN IN 0~7
TO V OUT
PB DATA 0~7
MAIN OUT 0~7
CC DAT 0~7
IC3203<3>
IC3204<3>
IC3205<3>
BUF
IC3207<3>
MAIN 0~7
CASO A0~7
CASO B0~7
WDT A0~7
RDT 0~7
ADRS 0~17
WDT B0~7
RDT B0~7
FMT D0~5
CLK18 OUT
FRP27 IN
SYS SDA
PLL SCK
SYS SCK
TP3103
IC3351<4>
IC3352<4>
SHUFFLE MEMORY
DI
DO
ADR
IC3402<5>
IC3403<5>
CAS-A
CAS-B
DFD 0~7
DIDAT
CLK18
SDA
SCK
BD0~3
DODAT
IC3404<5>
IC3521,3523<7>
25M SEL
IC3453<6>
FORMAT 1
CAS A0~3
CAS B0~3
M25 L
PRE D0~5
CLK18M
SYS CLK
SYS SDA
EDA A0~3
EDA B0~3
DRAM D0~15
DRAM AD0~8
IC3452<6>
DRAM
IC3802<11>
EDA-A
IC3852<12>
EDA-B
HSE
DQ0~15
A0~8
ADDT0~14
PBDRT
ADRS
DATA
EDA MEMORY
IC3801<11>
IC3851<12>
IC3575<8>
EDA A IN
EDA A OUT
EDA B IN
EDA B OUT
REC DATA L
REC DATA R
REC CLK
PB DATA L
PLL SCK L
PB DATA R
PLL SCK R
A WD0~3
A RD0~3
A WCLK
A WE
A RCLK
A RE
B WD0~3
B RD0~3
B WCLK
B WE
B RCLK
B RE
IC3563<8>
TTL
ECL
IC3570<8>
IC3574<8>
IC3576<8>
FIFO
A DAT
I ACH SEL
PB DATA 12
ACH SEL
TO V OUT
FROM AV SYSCON
L REC DATA 0,1
R REC DATA 0,1
REC CLK 0,1
REC DATA LN/RN
REC DATA RP/RN
REC CLK P/N
TO RF AMP
L PB DATA 0,1
L PB CLK 0,1
R PB DATA 0,1
R PB CLK 0,1
PB DATA LP/LN
PB CLK LP/LN
PB DATA RP/RN
PB CLK RP/RN
FROM RF AMP
FROM VIDEO V OUT V IN AV SYSCON V IN V OUT AV SYSCON
INCF
OUT CFO
INCOM FRM
REF FRM
INCOM HD
FHS L
INCOM L
IN CF
REF CF
IN FRM
REF FRM
IN H
REF H
INCOM L
IC3101
TP3102
TP3101
IC3104<2>
PLL
FRP27
CF0,1
FRP PB
FRP REC
REC HD
REC VD
FRP SYS
IC3105<2>
BUFFER
X3101<2>
27MHz VCO
TO V IN
INH VD
INV VD
IN FRP VD
PB FRP
REC VD
REC HD
FRP REC
FRP PB
TO/FROM SERVO
TO/FROM AV SYSCON
SRV SBC CLK
SRV SBC DATA
SBC SRV DATA
SYS SBC CLK
SYS SBC DATA
SBC SYS DATA
I SRV SBC CLK
I SRV SBC DAT
O SBC SRV DAT
I SYS SBC CLK
I SYS SBC DAT
O SBC SYS DAT
(VEP88234J)
P3702 ←→ P1(DV-µCOM)
AD0~15
S DATA IN
S DATA OUT
S CLK
25M L
CAS ID2
CAS ID1
FRP SYS
X IN
SRV SBC CLK
SRV SBC DAT
SBC SRV DAT
SYS SBC CLK
SYS SBC DAT
SBC SYS DAT
IC1
DV-µCOM

V OUT BLOCK DIAGRAM



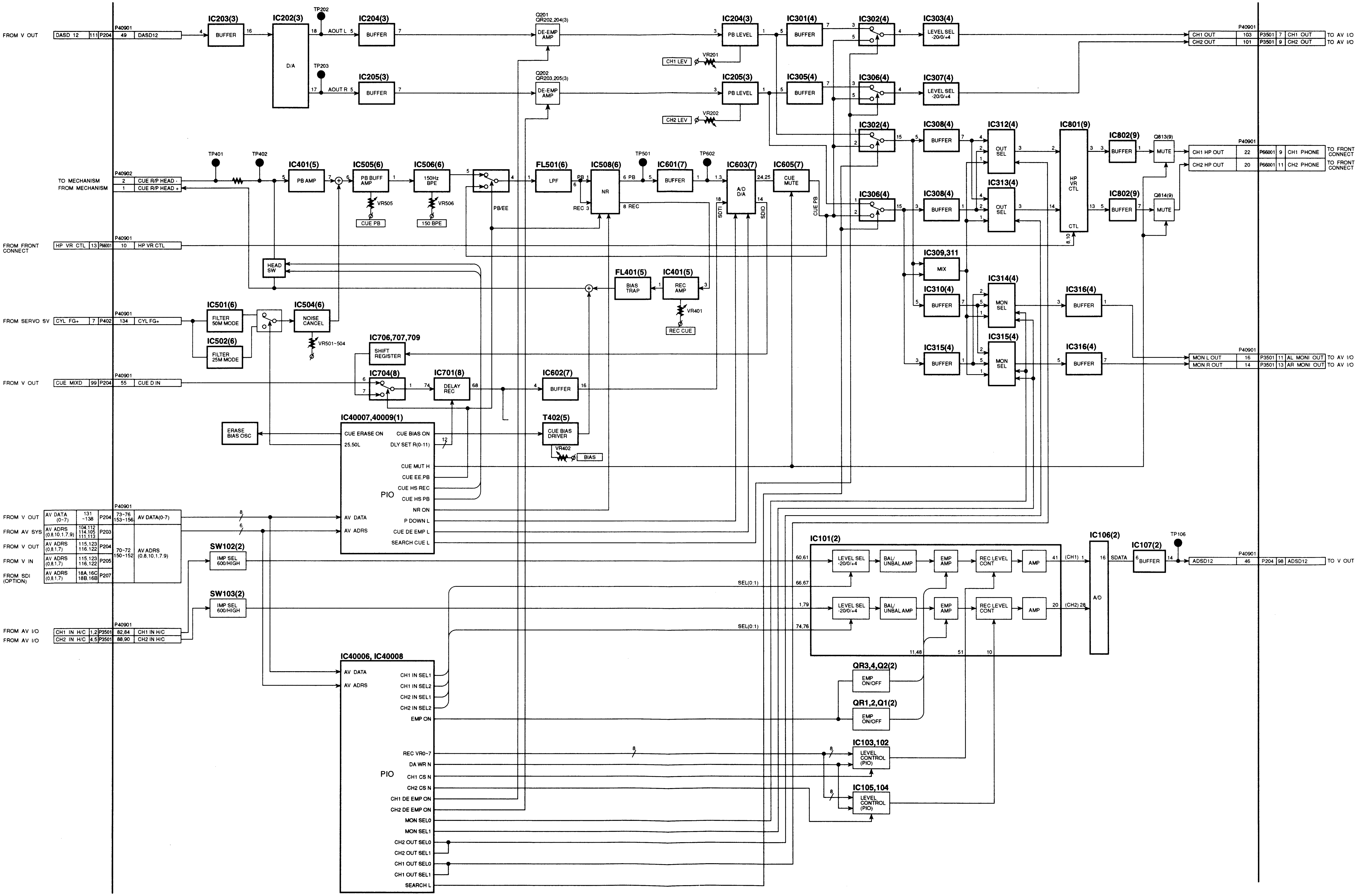
P3001
FROM V IN
S Y DAT0-7
PB DAT 0-7
IC3207<3> DATA SEL
IC3208<3> DATA SEL
IC3209<3> DATA SEL
IC3210<3> DATA SEL
IC3206<3>
PB SEL L
EE Y DAT0-7
EE C DAT0-7
INP Y DAT 0-7
INP C DAT 0-7
EEY
EEC
Y-DAT
C-DAT
IC3301<5> TBC (FILTER)
YB 0-7
YA 0-7
CB 0-7
CA 0-7
BOE
RE
PCST
TBC HD
TBC VBLK
TBC FRP
TBCM Y
TBCM C
IC3381<7> FIFO
IC3382<7> FIFO
WE
RE
IC3383<7> BLK INST
IC3384<7> BLK INST
+3V
ROE C
ROE Y
BLK ON Y
BLK ON C
IC3385<7> MUX (C-SEPA.)
DA Y
DA PB
DA PR
IC3451<8> DAC
CLK
Y
PB
PR
VIDEO LEV
PBDAOUT
PRDAOUT
PB DA OUT
PR DA OUT
FROM VIDEO
IC3481<9> SDI FIFO
IC3482<9> SDI FIFO
IC3483<9> BLK INST
IC3484<9> BLK INST
IC3485<9> MUX (SDI)
CLK27M
SDI YC
SDI YC 0-9
ENC VDATA 0-9
TO SDI (OPTION)
INCOM FRM
EE WH
AIN FRM
EE WV
EE WEC
EE WEY
PB HD VD
VBLK PB VD
FRP PB
EE TBC WCK
CLK135 VC
INCOME FRM
EE FRM
PB HD
PB VBLK
PB FRP
EE CLK135
PB CLK135
FROM REC/PB
IC3281<4> TBC W CNTR (PLD)
SDI L
IC3351<6> TBC R CNTR (PLD)
ROE1
ROE2
OUT FRM
DLY VIP
DLY RDHD
VP
VIP
RDFRM
RDHD
S ROE
RBF
IC3653<11> BURST SEP N
IC3651<11> SYNC SEP
RSY
REF VIDEO X
REF VIDEO IN
FROM AV I/O
IC4507<19> SYS I/F
PB SEL L
SDI L
SYS SC COAR1
SYS SC COAR2
ADV1
A1,2
D0-7
FROM AUDIO
FROM SYS
FROM SDI (OPTION)
AV DATA 0-7
AV ADRS 0-8
IC4505<19> BUS TRANCEIVER
IC4503,4504<19> BUFFER
TO REC/PB
A DATA 34
A DATA 12
REC DATA 34
REC DATA 12
IC4203<16> A PRO CNT
IF
SEL
LEVEL METER
BM CTRL
VR
ADSD 12
ADSD12
IC4004<14> BUFFER
IA DATA 12
DIGITAL IN
REC DATA
IC4401<18> TBC DELAY
IC4007<14> BUFFER
A DAT
PB DATA12
IC4002<14> BUFFER
IPB DATA 12
OPB DATA 12
IC4006<14> BUFFER
IC4201<16> BUFFER MEMORY
IC4204<16> BUFFER MEMORY
TP4204
TO SDI(OPTION)
TO AUDIO
ENC CLK
OPB DATA 12
DASD 12
CLK 27MI
PB DATA SIF
DASD 12
CLK27
IC3773<13> 1/2 MM
IC4003 BUFFER
REF CF
I INCOME FRM
IC3563 SYNC GEN.<10>
HR2
HR20
HR
ADVIB
ADVF
FS
SCC1
SCC2
WSC
SCDL
RBST
RSY
SDET
IF21
VID1
VID2
VID3
VID4
CK2
CK1
RST
HO
DEC
HRST
DECODER H. SYNC GEN.
COMPOSITE SYNC GEN.
CF DET
DET1
DET2
DET3
TP1
TP3561
VP
FHS
CSI
VD
HD
VIP
FRAMING
V COUNTER V SYNC GEN.
DIV
PC
V SYNC SEP
FRM
H SYNC SEP
DELAY
SEL
CK PLL BLOCK
ER2
WND2
RDHD
ER1
RFRM
WND1
LAL10
LAL1
VX01
TP2
TP3562
FHS L
REF H
TO REC PB
RSYNC L
HD N SG
TO VIDEO
VR3651<10>
SYSTEM H
H PHASE NTSC
IC3562<10>
RHS
IC3655<11> CF NTSC
VR3651
S/H PULSE
TP3654
IC3658<11> S/H NTSC
IC3654 DL
VR3653
DET
IC3656<12>
IC3712<12> 13.5M VCO
X3771<13> 27M VCO
IC3772<13> V PHASE
IC3656<13>
IC3657<11> MM
TP3711
VXO
LPF
IC3711<12>
IC3714<12>
TP3712
4FSC VCO
IC3716<12> COMP
SDET

RF AMP BLOCK DIAGRAM



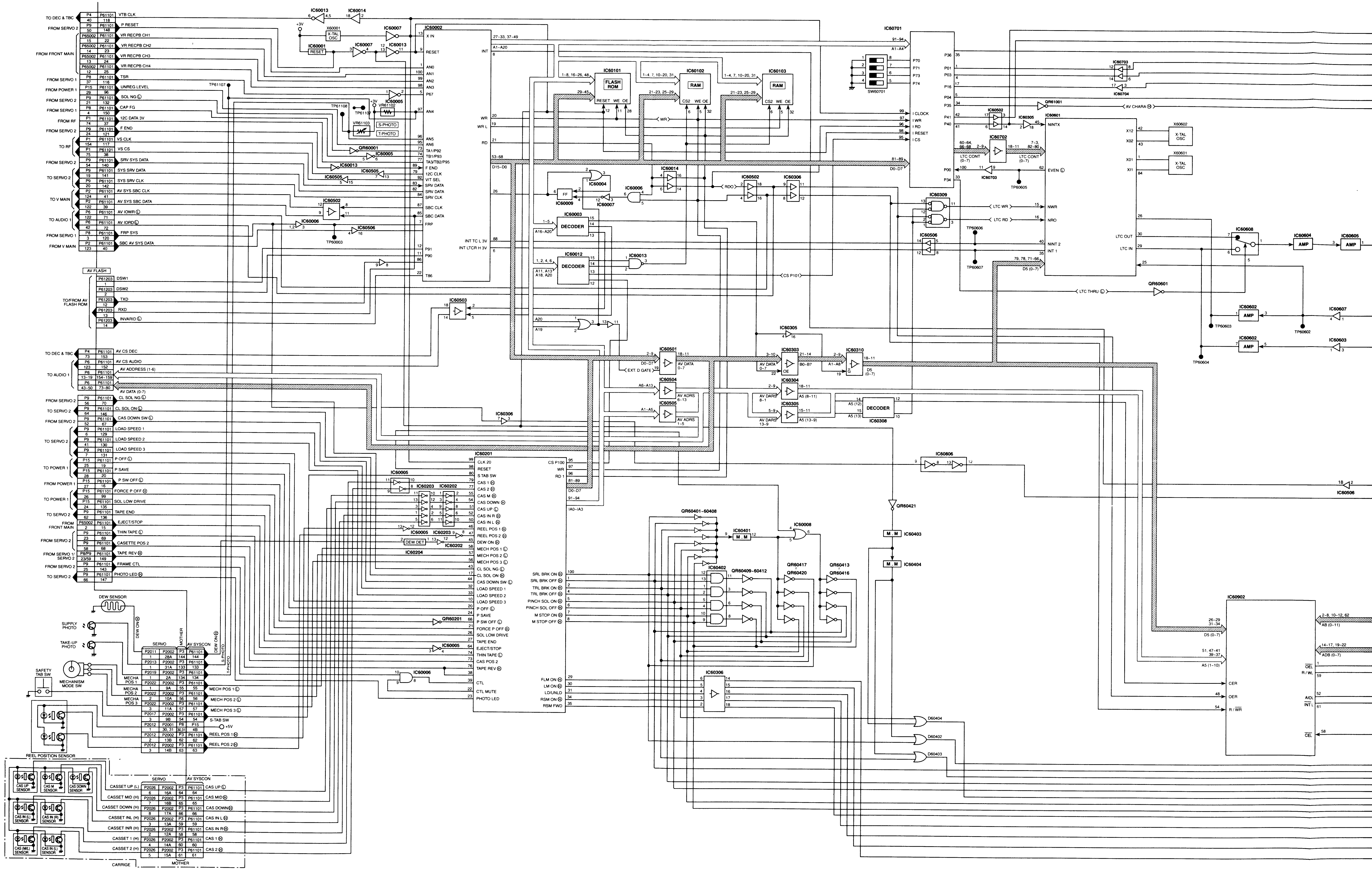
FROM REC/PB
L REC CTL1 70 P206 B15 RECCTRL L2
L REC DATA0 73 P206 A9 REC DATA L P
L REC DATA1 74 P206 B9 REC DATA L N
L REC CTL0 69 P206 A15 RECCTRL L1
R REC CTL0 71 P206 A16 RECCTRL R1
R REC DATA0 75 P206 A11 REC DATA R P
R REC DATA1 76 P206 B11 REC DATA R N
R REC CTL1 72 P206 B16 RECCTRL R2
FROM AV SYS
EVR DATA 156 P203 A49 EVR DATA
EVR CLK 157 P203 B49 EVR CLK
EVR RFO SEL 159 P203 A50 EVR LD L
EVR RFI SEL 158 P203 B50 EVR LD R
P1
IC 231<2>
IC 251<2>
REC AMP L
Q221,223 Q215,218<2>
Q225,258 Q261,263<2>
R/P SW
Q202~205<2>
Q242~245<2>
Q206,207<2>
Q246,247<2>
RF ADJ
IC 916<9>
IC 331<3>
IC 351<3>
REC AMP R
Q321,323 Q315,318<3>
Q325,358 Q361,363<3>
Q302~305<3>
Q342~345<3>
Q306,307<3>
Q346,347<3>
IC402<4>
HEAD AMP
RP PB L2+
RP PB L2-
RP PB L1+
RP PB L1-
1 GND
2 GND
3 RP L1 N
4 RP L1 P
5 RP L2 N
6 RP L2 P
7 GND
8 RP R1 N
9 RP R1 P
10 RP R2 N
11 RP R2 P
12 GND
13 GND
14 RE L1 N
15 RE L1 P
16 RE L2 N
17 RE L2 P
18 GND
19 RE R1 N
20 RE R1 P
21 RE R2 N
22 RE R2 P
23 GND
24 GND
(R/P, FE Head)
Q102,103<1>
Q112,113<1>
Q122,123<1>
Q132,133<1>
AMP
RE CTRL
IC101<1>
Q191,192<1>
RESET
FECTRL L1 A17 P206 65 FE CTL0 FROM REC/PB
FECTRL L2 B17 P206 66 FE CTL1 FROM REC/PB
FECTRL R1 A18 P206 63 R FE CTL0 FROM REC/PB
FECTRL R2 B18 P206 64 R FE CTL1 FROM REC/PB
IC404<4>
ENV DET
TP402
IC405<4>
ENV L A38 P402 B16 ENV L TO SERVO SV
ENV FLG L A46 P203 72 ENV FLG L TO AV SYS
Q404,409,405,410,407,408<4>
RP L PRE P
RP L PRE N
RB L PRE P
RB L PRE N
HEAD SEL
IC909<9>
RP ENABLE
PB ENABLE
CONFI ENABLE
Q401~403<4>
PB PHASE
Q412,L405~407,C430,436,439<4>
50M CONFI TRAP
IC403,Q425,426<4>
PB MAG CTRL
Q418<4>
SW
Q416,L409~411,C443,445,448<4>
25M CONFI TRAP
Q419<4>
NORAL PLAY
Q420<4>
IC910<9>
IC911<9>
IC502<5>
RP PB R1+
RP PB R1-
RP PB R2+
RP PB R2-
IC801<8>
EVR AD
REC L1 FREQ
REC L1 CURR
REC L2 FREQ
REC L2 CURR
50H25L
PB PHASE L
PB MAG L
HEAD SEL
PLAY SEL
EQA.B L
AUTO EQ L
SLICE L
CKPH L
ATFGAIN L
DELAY L
VCO 50L,25L
IC851<8>
REC R1 FREQ
REC R1 CURR
REC R2 FREQ
REC R2 CURR
PB PHASE R
PB MAG R
EQA.B R
AUTO EQ R
SLICE R
CKPH R
ATFGAIN R
DELAY R
VCO 50R,25R
P2
1 GND
2 GND
3 PB R2 P
4 PB R2 N
5 PB R1 P
6 PB R1 N
7 GND
8 PB L2 P
9 PB L2 N
10 PB L1 P
11 PB L1 N
12 GND
13 GND
(PB Head)
IC501<5>
IC401<4>
IC504<5>
TP502
IC505<5>
ENV R B38 P402 A18 ENV R TO SERVO SV
ENV FLG R B46 P203 152 ENV FLG R TO AV SYS
Q504,509,505,510,507,508<5>
RP R PRE P
RP R PRE N
RB R PRE P
RB R PRE N
Q501~503<5>
Q512,L505~507,C530,536,539<5>
IC503,Q525,526<5>
Q518<5>
Q516,L509~511,C543,545,548<4>
Q519<5>
Q520<5>
Q601<6>
PRE EQ L
BUFFER
IC601<6>
AGC
Q602<6>
IC604<6>
EQ(25M)
IC602<6>
EQ(50M)
IC608<6>
SEL
IC609<6>
LITERBI
IC903<9>
ATF L
RF L
EVR
Q701<7>
PRE EQ R
IC701<7>
Q702<7>
IC704<7>
IC702<7>
IC708<7>
IC709<7>
VITERBI
ATF R
RFL
IC915<9>
PB DATA L P A20 P206 153 L PB DATA0 TO REC/PB
PB DATA L N B20 P206 154 L PB DATA1 TO REC/PB
ATFI L A37 P402 A17 ATFI L TO SERVO SV
PB DATA R P A24 P206 157 R PB DATA0 TO REC/PB
PB DATA R N B24 P206 158 R PB DATA1 TO REC/PB
ATFI R B37 P402 B17 ATFI R TO SERVO SV

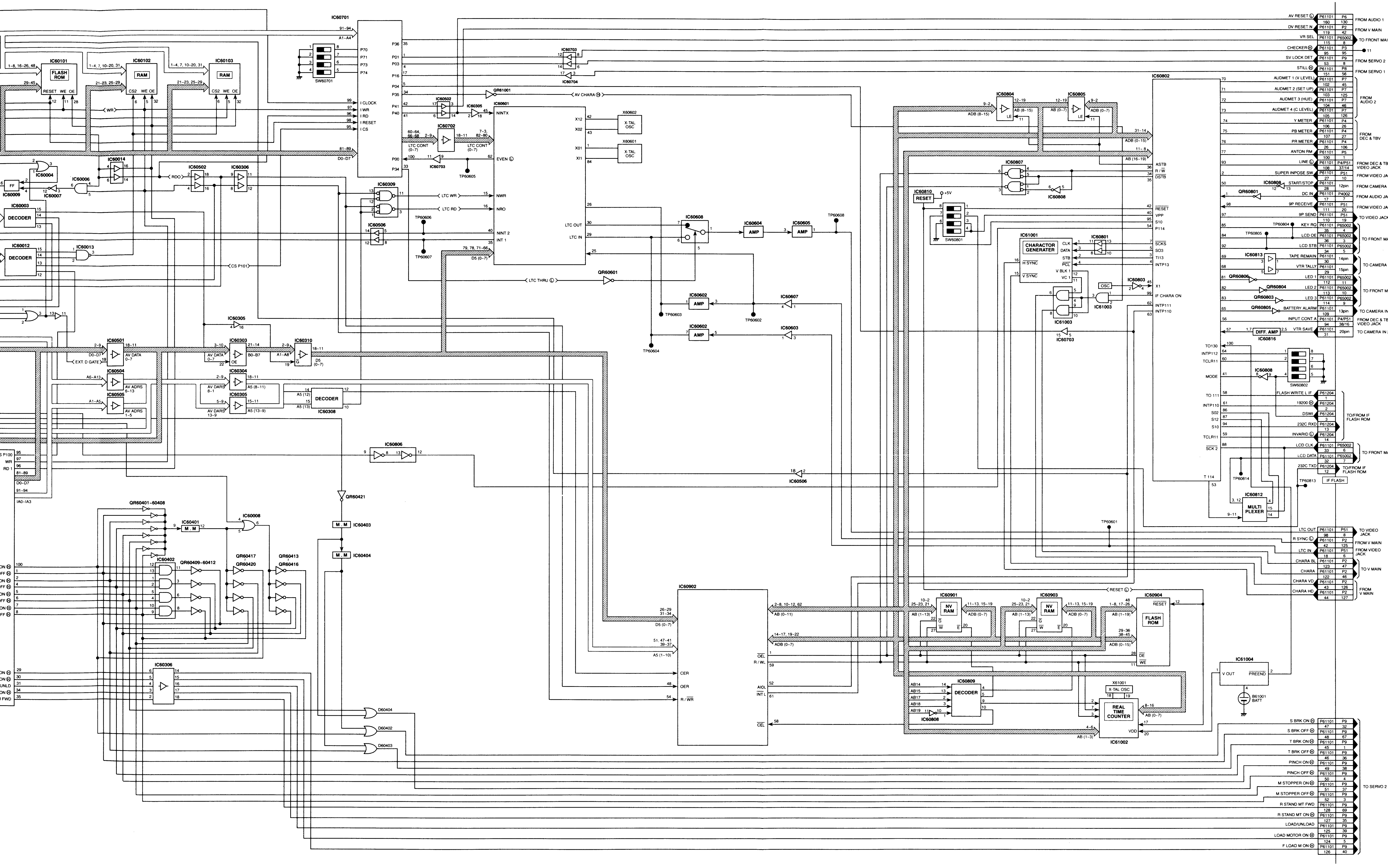
AUDIO BLOCK DIAGRAM



FROM V OUT
DASD 12
P204
P40901
49
DASD12
IC203(3)
BUFFER
IC202(3)
D/A
TP202
AOUT L
TP203
AOUT R
IC204(3)
BUFFER
IC205(3)
BUFFER
Q201
QR202,204(3)
DE-EMP AMP
Q202
QR203,205(3)
DE-EMP AMP
IC204(3)
PB LEVEL
IC205(3)
PB LEVEL
CH1 LEV
VR201
CH2 LEV
VR202
IC301(4)
BUFFER
IC305(4)
BUFFER
IC302(4)
IC306(4)
IC303(4)
LEVEL SEL -20/0/+4
IC307(4)
LEVEL SEL -20/0/+4
CH1 OUT
CH2 OUT
P3501
TO AV I/O
IC302(4)
IC306(4)
IC308(4)
BUFFER
IC312(4)
OUT SEL
IC313(4)
OUT SEL
IC801(9)
HP VR CTL
CTL
IC802(9)
BUFFER
Q813(9)
Q814(9)
MUTE
CH1 HP OUT
CH2 HP OUT
P66001
CH1 PHONE
CH2 PHONE
TO FRONT CONNECT
TO MECHANISM
FROM MECHANISM
P40902
CUE R/P HEAD -
CUE R/P HEAD +
TP401
TP402
IC401(5)
PB AMP
IC505(6)
PB BUFF AMP
VR505
CUE PB
IC506(6)
150Hz BPE
VR506
150 BPE
PB/EE
FL501(6)
LPF
PB
REC
IC508(6)
NR
6 PB
8 REC
TP501
IC601(7)
BUFFER
TP602
IC603(7)
A/D D/A
SDTI
SDIO
IC605(7)
CUE MUTE
CUE PB
FROM FRONT CONNECT
HP VR CTL
P66001
HEAD SW
FL401(5)
BIAS TRAP
IC401(5)
REC AMP
VR401
REC CUE
IC309,311
MIX
IC310(4)
BUFFER
IC314(4)
MON SEL
IC316(4)
BUFFER
IC315(4)
BUFFER
IC315(4)
MON SEL
IC316(4)
BUFFER
MON L OUT
MON R OUT
AL MONI OUT
AR MONI OUT
TO AV I/O
FROM SERVO SV
CYL FG+
P402
IC501(6)
FILTER 50M MODE
IC502(6)
FILTER 25M MODE
IC504(6)
NOISE CANCEL
VR501~504
IC706,707,709
SHIFT REGISTER
FROM V OUT
CUE MIXD
CUE D IN
IC704(8)
IC701(8)
DELAY REC
IC602(7)
BUFFER
ERASE BIAS OSC
IC40007,40009(1)
CUE ERASE ON
CUE BIAS ON
25,50L
DLY SET R(0-11)
CUE MUT H
CUE EE.PB
CUE HS REC
CUE HS PB
NR ON
P DOWN L
CUE DE EMP L
SEARCH CUE L
AV DATA
AV ADRS
PIO
T402(5)
CUE BIAS DRIVER
VR402
BIAS
FROM V OUT
FROM AV SYS
FROM V OUT
FROM V IN
FROM SDI (OPTION)
AV DATA (0-7)
AV ADRS (0,8,10,1,7,9)
AV ADRS (0,8,1,7)
AV ADRS (0,8,1,7)
AV ADRS (0,8,1,7)
P203
P204
P205
P207
AV DATA(0-7)
AV ADRS (0,8,10,1,7,9)
SW102(2)
IMP SEL 600/HIGH
SW103(2)
IMP SEL 600/HIGH
FROM AV I/O
CH1 IN H/C
CH2 IN H/C
SEL(0:1)
IC101(2)
LEVEL SEL -20/0/+4
BAL/ UNBAL AMP
EMP AMP
REC LEVEL CONT
AMP
(CH1)
(CH2)
IC106(2)
A/D
SDATA
IC107(2)
BUFFER
TP106
ADSD12
TO V OUT
IC40006, IC40008
AV DATA
AV ADRS
CH1 IN SEL1
CH1 IN SEL2
CH2 IN SEL1
CH2 IN SEL2
EMP ON
REC VR0~7
DA WR N
CH1 CS N
CH2 CS N
CH1 DE EMP ON
CH2 DE EMP ON
MON SEL0
MON SEL1
CH2 OUT SEL0
CH2 OUT SEL1
CH1 OUT SEL0
CH1 OUT SEL1
SEARCH L
PIO
QR3,4,Q2(2)
EMP ON/OFF
QR1,2,Q1(2)
EMP ON/OFF
IC103,102
LEVEL CONTROL (PIO)
IC105,104
LEVEL CONTROL (PIO)

AV SYSCON BLOCK DIAGRAM


TO DEC & TBC
FROM SERVO 2
FROM FRONT MAIN
FROM SERVO 1
FROM POWER 1
FROM RF
TO RF
TO SERVO 2
TO V MAIN
TO AUDIO 1
FROM V MAIN
AV FLASH
TO/FROM AV FLASH ROM
TO POWER 1
FROM POWER 1
DEW SENSOR
SUPPLY PHOTO
TAKE-UP PHOTO
SAFETY TAB SW
MECHANISM MODE SW
REEL POSITION SENSOR
CAS UP SENSOR
CAS M SENSOR
CAS DOWN SENSOR
CAS IN (L) SENSOR
CAS IN (R) SENSOR
CAS (M/L) SENSOR
CARRIGE
MOTHER
SERVO
AV SYSCON
IC60002
IC60001
IC60007
IC60013
IC60014
IC60005
IC60006
IC60502
IC60505
IC60506
IC60503
IC60306
IC60101
FLASH ROM
IC60102
RAM
IC60103
RAM
IC60004
IC60009
FF
IC60003
DECODER
IC60012
DECODER
IC60014
IC60201
IC60203
IC60202
IC60204
IC60501
IC60504
IC60303
IC60304
IC60305
IC60310
IC60308
DECODER
IC60401
M.M
IC60402
IC60008
QR60401–60408
QR60409–60412
QR60417
QR60420
QR60413
QR60416
QR60421
IC60403
IC60404
IC60806
IC60306
D60404
D60402
D60403
IC60701
SW60701
IC60703
IC60704
QR61001
IC60601
IC60702
X60602
X60601
X-TAL OSC
IC60309
IC60608
IC60604
AMP
IC60605
AMP
IC60602
AMP
IC60607
IC60603
QR60601
IC60506
IC60902
TP60605
TP60606
TP60607
TP60603
TP60602
TP60604
AV CHARA
LTC WR
LTC RD
LTC THRU
CS P101
EXT D GATE


IC60701
IC60101
FLASH ROM
IC60102
RAM
IC60103
RAM
SW60701
IC60703
IC60704
QR61001
AV CHARA
IC60502
IC60305
IC60601
IC60702
LTC CONT
EVEN
IC60703
TP60605
X60602
X-TAL OSC
X60601
X-TAL OSC
IC60014
IC60004
IC60006
IC60007
IC60009
FF
IC60003
DECODER
IC60012
DECODER
IC60013
CS P101
IC60502
IC60306
RDO
IC60309
LTC WR
LTC RD
IC60506
TP60606
TP60607
NWR
NRO
NINT 2
INT 1
LTC OUT
LTC IN
LTC THRU
QR60601
IC60608
IC60604
AMP
IC60605
AMP
TP60608
IC60602
AMP
IC60607
TP60603
TP60602
IC60602
AMP
IC60603
TP60604
IC60305
IC60501
IC60303
IC60310
AV DATA 0-7
EXT. D GATE
IC60504
AV ADRS 6-13
IC60505
AV ADRS 1-5
IC60304
IC60305
DECODER
IC60308
IC60806
IC60506
QR60421
M.M
IC60403
M.M
IC60404
QR60401~60408
IC60401
IC60008
IC60402
QR60409~60412
QR60417 QR60420
QR60413 QR60416
IC60306
D60404
D60402
D60403
IC60902
IC60804
IC60805
IC60807
IC60808
IC60810
RESET
SW60801
IC61001
CHARACTOR GENERATER
IC60801
OSC
IC60803
IC61003
IC60703
IC60802
ASTB
R/W
DSTB
RESET
VPP
S10
P114
SCKS
SO3
TI13
INTP13
X1
IF CHARA ON
INTP111
INTP110
IC60901
NV RAM
IC60903
NV RAM
IC60904
FLASH ROM
IC60809
DECODER
X61001
X-TAL OSC
REAL TIME COUNTER
IC61002
IC61004
V OUT
PREEND
B61001 BATT
TP60601
TP60804
TP60805
IC60813
QR60806
QR60804
QR60803
QR60805
QR60801
DIFF. AMP
IC60816
SW60802
IC60808
TP60814
IC60812
MULTI PLEXER
TP60813
IF FLASH
AV RESET
DV RESET N
VR SEL
CHECKER
SV LOCK DET
STILL
AUDMET 1 (V LEVEL)
AUDMET 2 (SET UP)
AUDMET 3 (HUE)
AUDMET 4 (C LEVEL)
Y METER
PB METER
PR METER
ANTON RM
LINE
SUPER INPOSE SW
START/STOP
DC IN
9P RECEIVE
9P SEND
KEY RQ
LCD OE
LCD STB
TAPE REMAIN
VTR TALLY
LED 1
LED 2
LED 3
BATTERY ALARM
INPUT CONT A
VTR SAVE
FLASH WRITE L IF
19200
DSWI
232C RXD
INVARID
LCD CLK
LCD DATA
232C TXD
LTC OUT
R SYNC
LTC IN
CHARA BL
CHARA
CHARA VD
CHARA HD
S BRK ON
S BRK OFF
T BRK ON
T BRK OFF
PINCH ON
PINCH OFF
M STOPPER ON
M STOPPER OFF
R STAND MT FWD
R STAND MT ON
LOAD/UNLOAD
LOAD MOTOR ON
F LOAD M ON
FROM AUDIO 1
FROM V MAIN
TO FRONT MAIN
FROM SERVO 2
FROM SERVO 1
FROM AUDIO 2
FROM DEC & TBV
FROM DEC & TBC/ VIDEO JACK
FROM VIDEO JACK
FROM CAMERA IN 26P
FROM AUDIO JACK
FROM VIDEO JACK
TO VIDEO JACK
TO FRONT MAIN
TO CAMERA IN 26P
TO FRONT MAIN
TO CAMERA IN 26P
FROM DEC & TBC/ VIDEO JACK
TO CAMERA IN 26P
TO/FROM IF FLASH ROM
TO FRONT MAIN
TO/FROM IF FLASH ROM
TO VIDEO JACK
FROM V MAIN
FROM VIDEO JACK
TO V MAIN
FROM V MAIN
TO SERVO 2

BLK-9

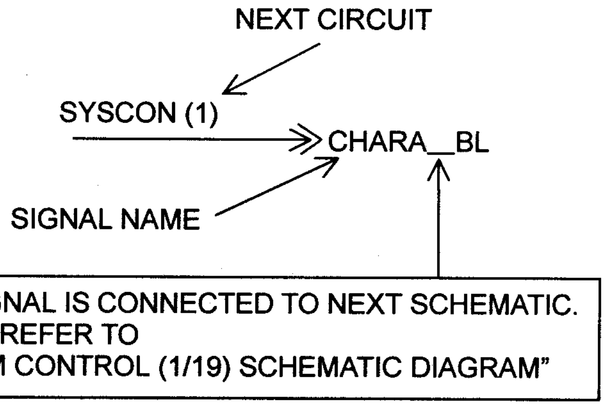
BLK-9

SECTION 6

SCHEMATIC DIAGRAMS

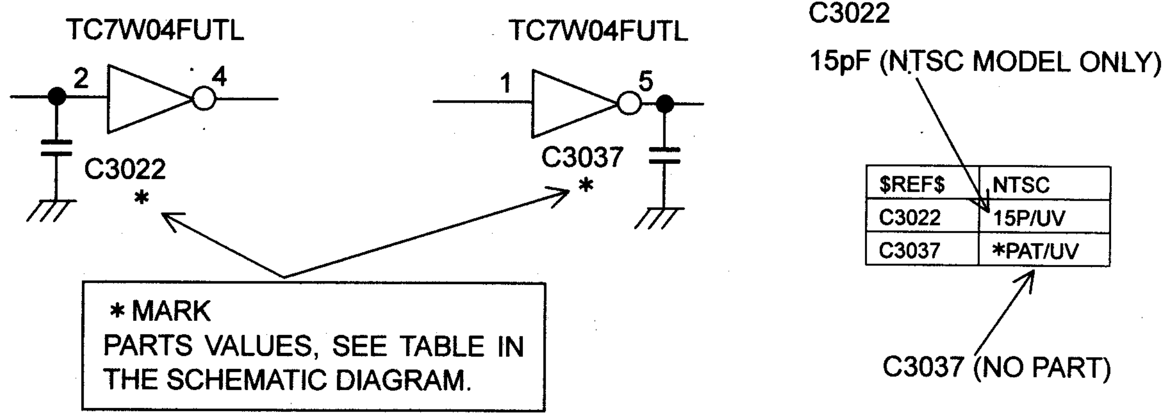
NOTE

(Ex. 1)


NEXT CIRCUIT
SYSCON (1)
CHARA_BL
SIGNAL NAME

THIS SIGNAL IS CONNECTED TO NEXT SCHEMATIC.
PLEASE REFER TO
"SYSTEM CONTROL (1/19) SCHEMATIC DIAGRAM"

(Ex. 2)


TC7W04FUTL
2
4
C3022
*
TC7W04FUTL
1
5
C3037
*
C3022
15pF (NTSC MODEL ONLY)
C3037 (NO PART)

REF	NTSC
C3022	15P/UV
C3037	*PAT/UV

* MARK
PARTS VALUES, SEE TABLE IN THE SCHEMATIC DIAGRAM.

IMPORTANT SAFETY NOTICE

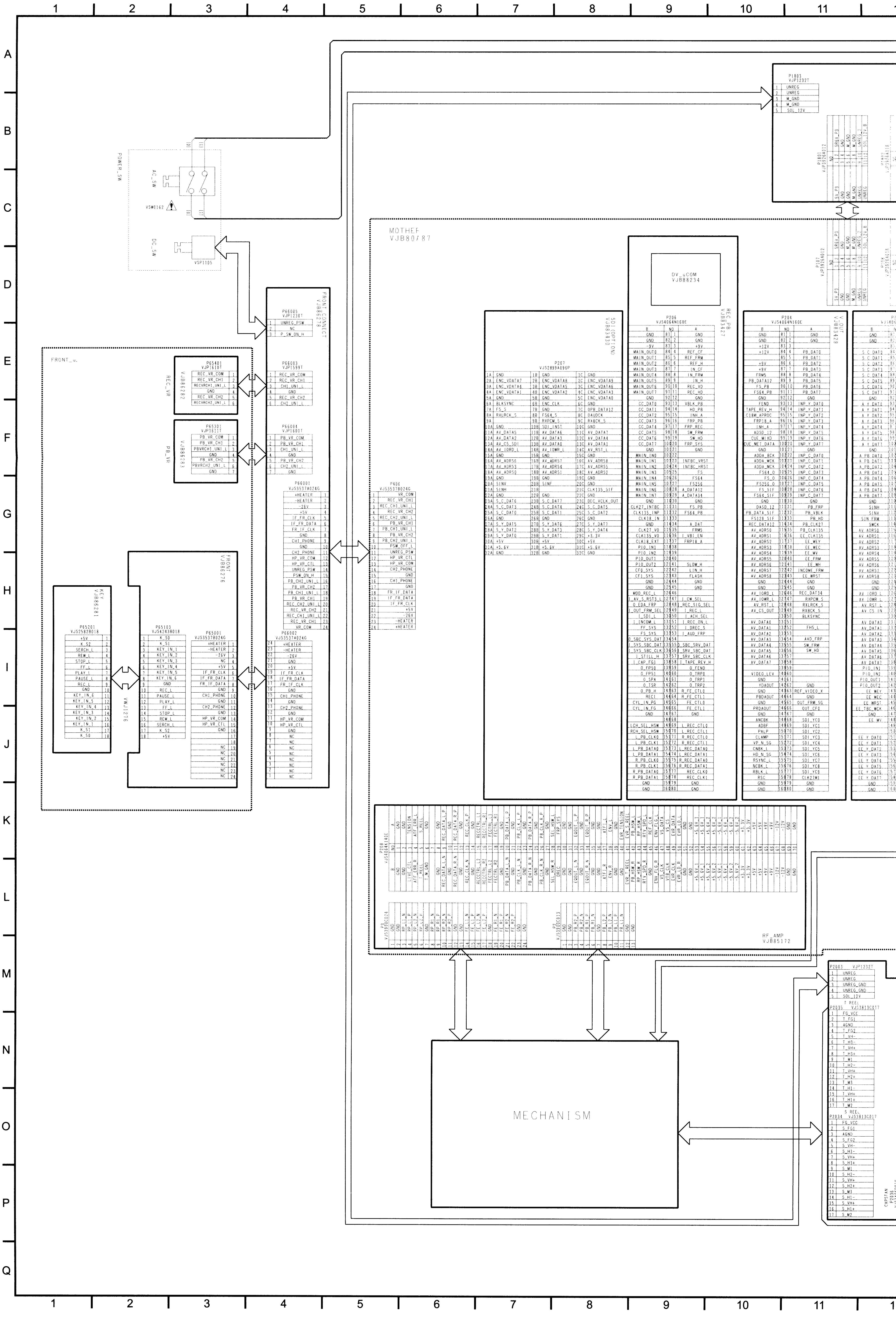
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR OEDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

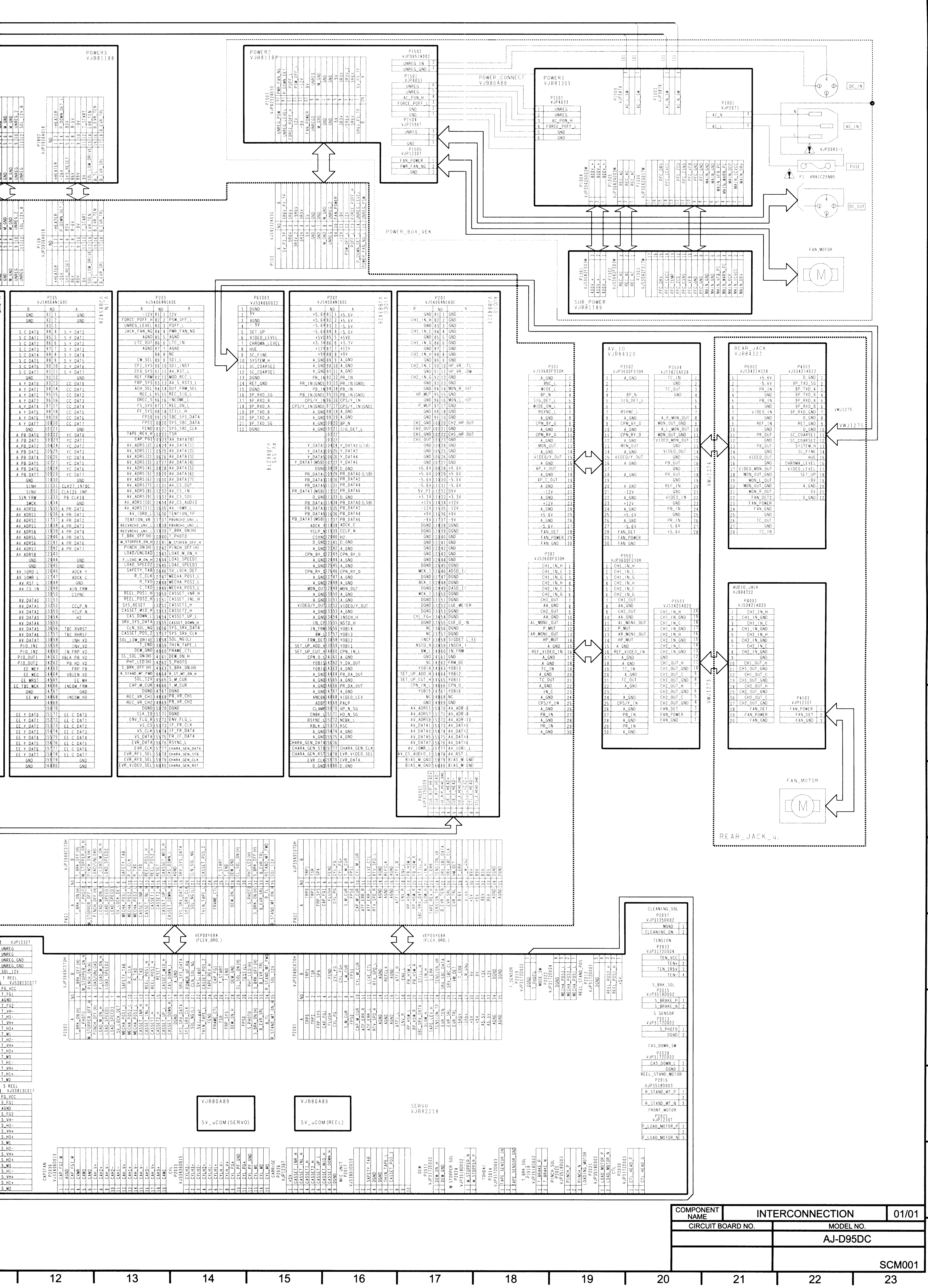
CONTENTS

INTERCONNECTION SCM001
MOTHER SCM002
MOTHER SCM003
MOTHER SCM004
POWER 1 .... SCM005
POWER 1 .... SCM006
POWER 1 SUB SCM007
POWER 2 .... SCM008
POWER 2 .... SCM009
POWER 2 .... SCM010
POWER 3 .... SCM011
POWER 3 .... SCM012
POWER CONNECT SCM013
SERVO (REEL SERVO MICON) SCM014
SERVO (MICON-CYL/CAP) SCM015
SERVO (CAP & CYL FG AMP) SCM016
SERVO (REEL SERVO DRIVE) SCM017
SERVO (CAP/CYL DRIVE) SCM018
SERVO (REEL SERVO SW POWER) SCM019
SERVO (CTL AMP) SCM020
SERVO (FRAME CTL) SCM021
SERVO (REEL SERVO FG AMP) SCM022
SERVO (CONNECT) SCM023
SERVO (MECHA IF) SCM024
SERVO (BRAKE & PINCH) SCM025
SERVO (LOADNG) SCM026
SERVO (ATF) SCM027
SV uCOM SCM028
VIDEO I/O (CONNECTOR) SCM029
VIDEO I/O (Y/C SEP) SCM030
VIDEO I/O (SYNC SEP) SCM031
VIDEO I/O (C DECORDER) SCM032
VIDEO I/O (CF DET) SCM033
VIDEO I/O (BUFF OSC) SCM034
VIDEO I/O (Y OUT) SCM035
VIDEO I/O (ENCODER) SCM036
VIDEO I/O (HUE CONT) SCM037
VIDEO I/O (VIDEO OUT) SCM038
VIDEO I/O (YADC) SCM039
VIDEO I/O (CADC) SCM040
VIDEO I/O (EVR) SCM041
AUDIO (CONT) SCM042
AUDIO (INPUT AD) SCM043
AUDIO (DA) SCM044
AUDIO (OUTPUT) SCM045
AUDIO (CUE 1) SCM046
AUDIO (CUE 2) SCM047
AUDIO (CUE ADDA) SCM048
AUDIO (CUE DLY) SCM049
AUDIO (HP) SCM050
AUDIO (CONNECT) SCM051
AV I/O (AUDIO) SCM052
AV I/O (INPUT SEL) SCM053
AV I/O (OUTPUT BUF) SCM054
AV I/O (PR/PB OUT BUF) SCM055
AV I/O (CONNECT) SCM056
RF AMP (ERACE/REC CTRL) SCM057
RF AMP (REC L CH) SCM058

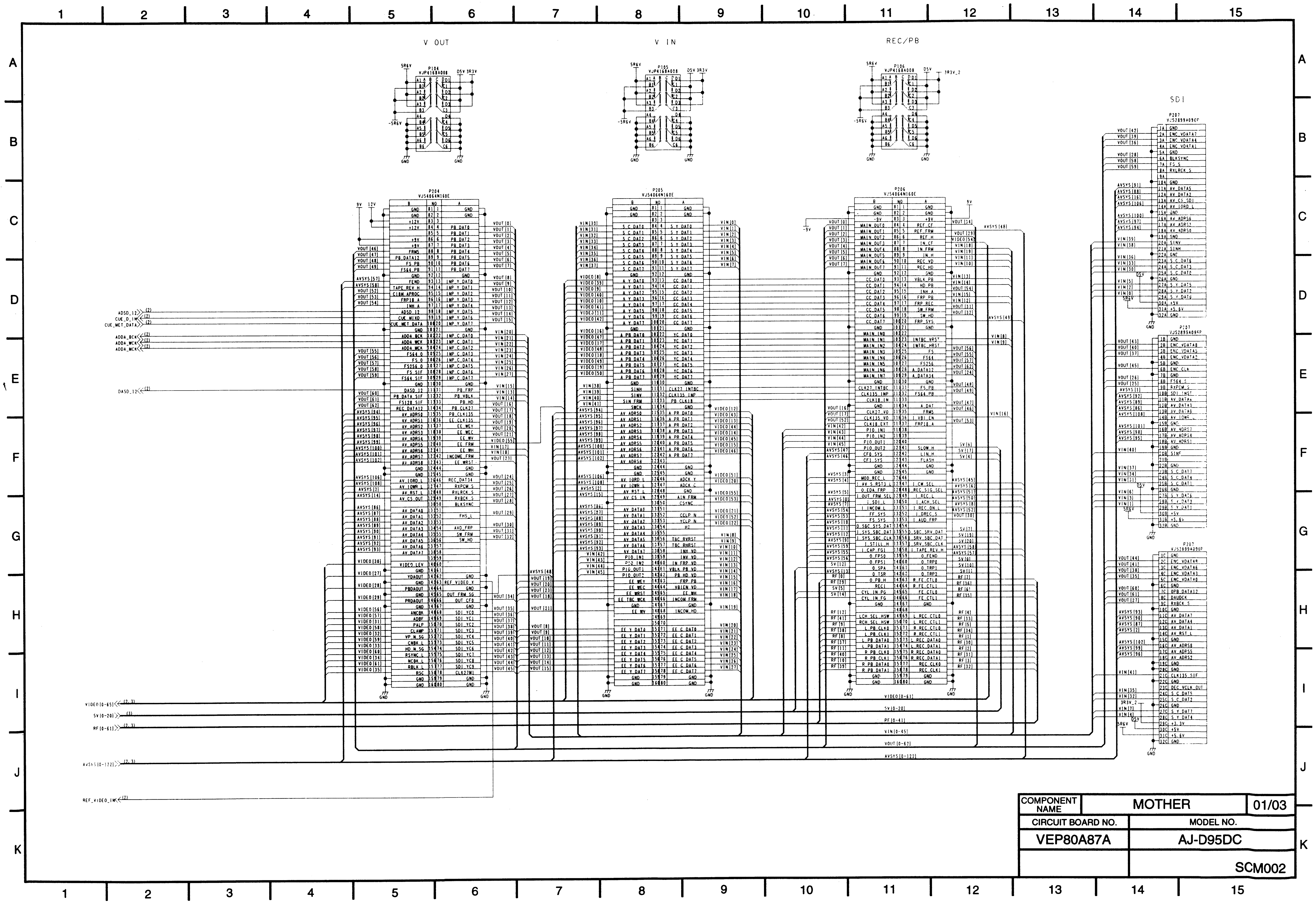
RF AMP (REC R CH) SCM059
RF AMP (HA PRE EQ ENV Lch) SCM060
RF AMP (HA PRE EQ ENV Rch) SCM061
RF AMP (AGC EQ A/D VITERBI Lch) SCM062
RF AMP (AGC EQ A/D VITERBI Rch) SCM063
RF AMP (EVR) SCM064
RF AMP (CONTROL etc.). SCM065
RF AMP (POWER/CONNECTOR) SCM066
AV SYSCON SCM067
AV SYSCON (ROM) SCM068
AV SYSCON (PIO) SCM069
AV SYSCON (5V & DPR IF) SCM070
AV SYSCON (SOL LOGIC) SCM071
AV SYSCON (BUS IF) SCM072
AV SYSCON (LTC) SCM073
AV SYSCON (PIO 1) SCM074
AV SYSCON (IF MICOM) SCM075
AV SYSCON (IF MEMORY IC) SCM076
AV SYSCON (REMOTE POWER IF) SCM077
AV SYSCON (MOTHER IF) SCM078
AV SYSCON (JIG IF) SCM079
REC PB (CONNECT) SCM080
REC PB (IN PLL) SCM081
REC PB (PRE PROC) SCM082
REC PB (SHUF MEM) SCM083
REC PB (CAS) SCM084
REC PB (FORM 1) SCM085
REC PB (EDA CONNECT) SCM086
REC PB (FORM 2) SCM087
REC PB (M16 CONNECT) SCM088
REC PB (OUT BUFFER) SCM089
REC PB (EDA A) SCM090
REC PB (EDA B) SCM091
V IN (CONNECT) SCM092
V IN (INPUT SEL) SCM093
V IN (135M PLL) SCM094
V IN (TBC CTRL) SCM095
V IN (TBC) SCM096
V IN (OUT BUFFER) SCM097
V IN (VIDEO DATA) SCM098
V IN (SYS IF) SCM099
V OUT (CONNECT) SCM100
V OUT (IN BUFFER) SCM101
V OUT (IN DATA SEL) SCM102
V OUT (TBC W PLD) SCM103
V OUT (TBC) SCM104
V OUT (TBC R PLD) SCM105
V OUT (TBC ANG MEM) SCM106
V OUT (D/A) SCM107
V OUT (TBC SDI MEM) SCM108
V OUT (SG 1) SCM109
V OUT (SG 2) SCM110
V OUT (SG 3) SCM111
V OUT (SG 4) SCM112
V OUT (A PROC IO BUFF) SCM113
V OUT (A PROC CLK BUF) SCM114
V OUT (A PROC CNT) SCM115
V OUT (A PROC SIO DLY) SCM116
V OUT (A PROC TBC DLY) SCM117
V OUT (SYS IF) SCM118
REAR JACK SCM119
REAR JACK SCM120
AUDIO JACK SCM121
DV uCOM SCM122
FRONT (1) SCM123
FRONT (2) SCM124
FRONT CONNECT SCM125
KEY SCM126
REC VR SCM127
PB VR SCM128
CARRIGE SCM129



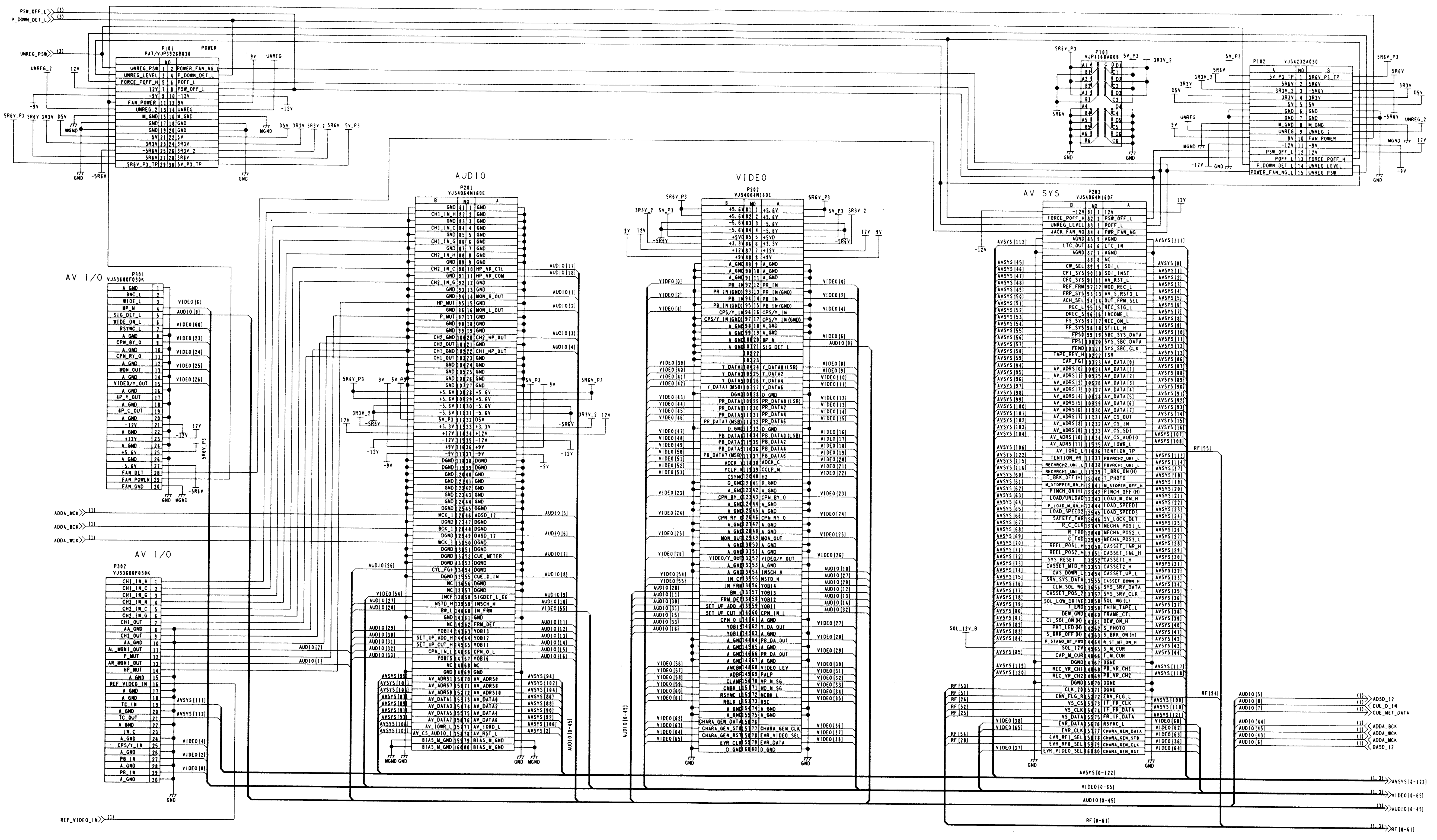
POWER_SW
AC_SW
VSW0162
DC_SW
VSP1105
FRONT_U
REC_VR
VJB86282
P65401 VJP16107
PB_VR
VJB86283
P65301 VJP16117
KEY
VJB86281
P65201 VJS25828018
FRONT
VJB86276
P65103 VJS42438018
P65001 VJS35378024G
VWJ1276
FRONT CONNECT
VJB86278
P66005 VJP12307
P66003 VJP15997
P66004 VJP16807
P66001 VJS35378024G
P66002 VJS35378024G
P406 VJS35378024G
MOTHER
VJB80787
SDI(OPTION)
VJB83430
P207 VJS2899A096P
REC_PB
VJB83427
DV_uCOM
VJB88234
P206 VJS4064N160E
V_OUT
VJB83428
P204 VJS4064N160E
P1803 VJP12327
P1801
P101
P2008
P3
P2
RF_AMP
VJB85172
MECHANISM
P2003 VJP12327
T REEL
P2035 VJS3813C017
S REEL
P2034 VJS3813C017
CAPSTAN


POWER3
VJB81188
POWER2
VJB81187
POWER1
VJB81203
POWER_CONNECT
VJB80A88
POWER_BOX_VEK
SUB_POWER
VJB81189
DC_IN
AC_IN
FUSE
F1 XBA1C25NB5
VJP0083-1
DC_OUT
FAN_MOTOR
AV_IO
VJB84320
REAR_JACK
VJB84321
AUDIO_JACK
VJB84322
REAR_JACK_u
VWJ1275
VWJ1274
VWJ1273
VEP00Y68A
(FLEX_BRD.)
VJB80A89
SV_uCOM(SERVO)
SV_uCOM(REEL)
SERVO
VJB82218
CLEANING_SOL
TENSION
S_BRK_SOL
S_SENSOR
CAS_DOWN_SW
REEL_STAND_MOTOR
FRONT_MOTOR
T_SENSOR
MODE_SW
CAPSTAN
CARRIGE
DEW
T_BRK_SOL
PINCH_SOL
LOADING_MOTOR
CTL

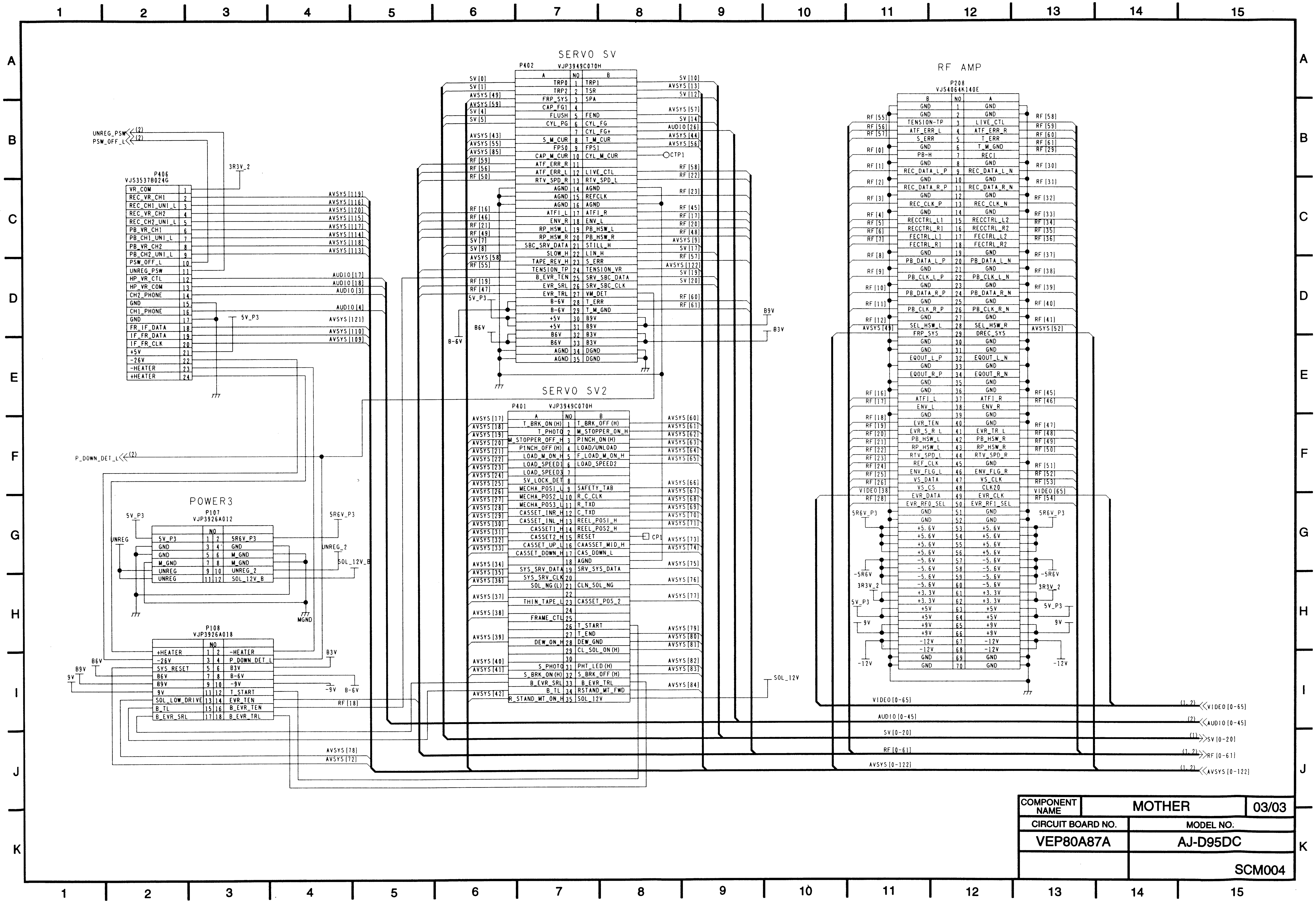
COMPONENT NAME	INTERCONNECTION	01/01
CIRCUIT BOARD NO.	MODEL NO.	
	AJ-D95DC	
	SCM001	


V OUT
V IN
REC/PB
SDI
P104
VJP4168A008
P105
VJP4168A008
P106
VJP4168A008
P204
VJS4064N160E
P205
VJS4064N160E
P206
VJS4064N160E
P207
VJS2899A096P
P307
VJS2899A096P
5R6V
-5R6V
D5V
3R3V
3R3V_2
GND
9V
12V
-9V
ADSD_12
CUE_D_IN
CUE_MET_DATA
ADDA_BCK
ADDA_WCK
ADDA_MCK
DASD_12
VIDEO[0-65]
SV[0-20]
RF[0-61]
AVSYS[0-122]
REF_VIDEO_IN
VIN[0-45]
VOUT[0-62]
VIDEO[0-61]

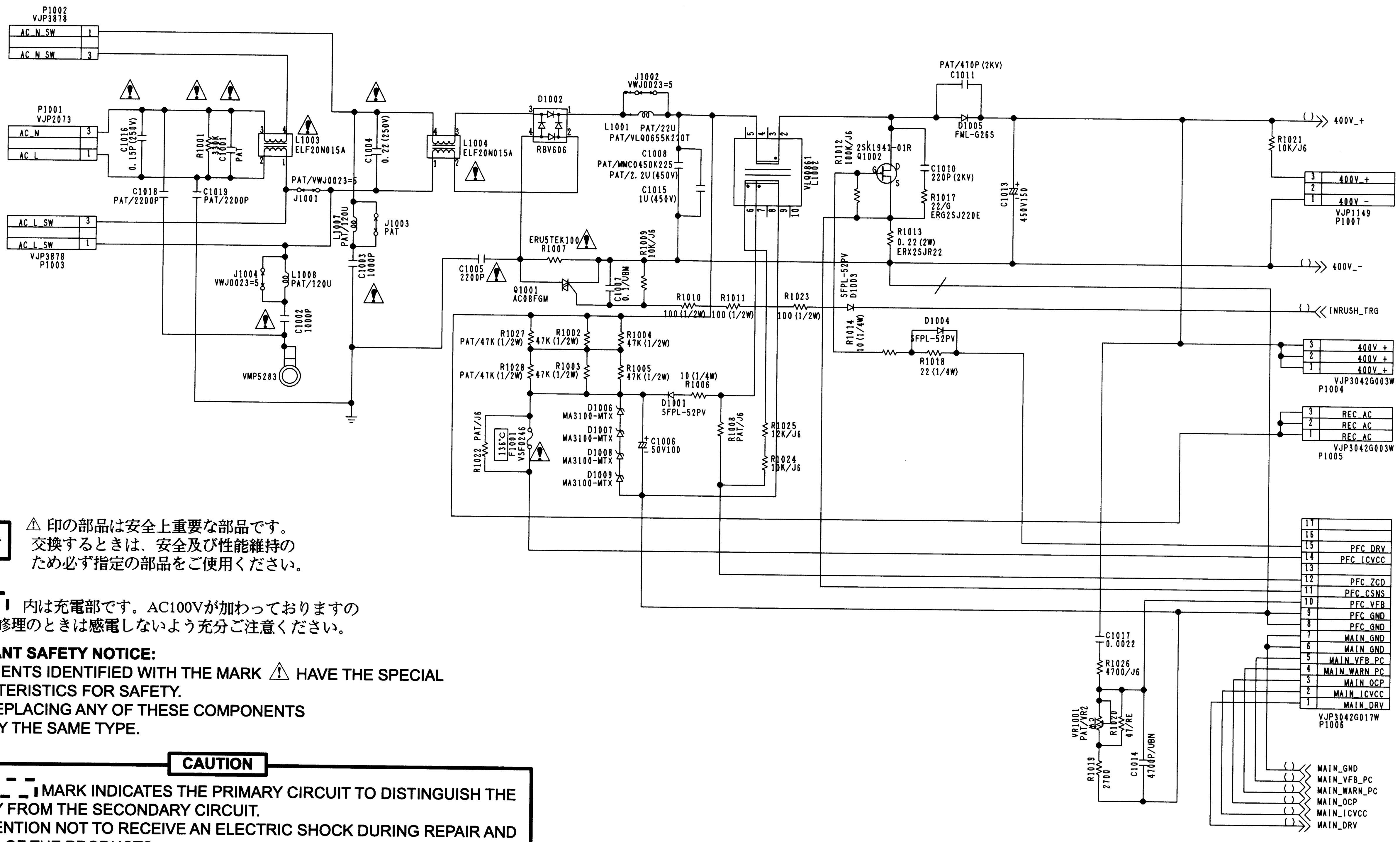
COMPONENT NAME	MOTHER	01/03
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A87A	AJ-D95DC	
	SCM002	


P101
POWER
PAT/VJP3926B030
AV I/O
P301
VJ5360DF030K
AUDIO
P201
VJS4064M160E
VIDEO
P202
VJS4064M160E
AV SYS
P203
VJS4064M160E
P103
VJP4164A008
P102
VJS4232A030
AV I/O
P302
VJ5360DF030K
PSW_OFF_L
P_DOWN_DET_L
UNREG_PSW
ADDA_MCK
ADDA_BCK
ADDA_WCK
REF_VIDEO_IN
AVSYS [0-122]
VIDEO [0-65]
AUDIO [0-45]
RF [0-61]
ADSD_12
CUE_D_IN
CUE_MET_DATA
DASD_12
GND
MGND

COMPONENT NAME	MOTHER	02/03
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A87A	AJ-D95DC	
	SCM003	


SERVO SV
P402
VJP3949C070H
RF AMP
P208
VJS4064K140E
SERVO SV2
P401
VJP3949C070H
P406
VJS3537B024G
POWER3
P107
VJP3926A012
P108
VJP3926A018
UNREG_PSW
PSW_OFF_L
3R3V_2
5V_P3
P_DOWN_DET_L
5R6V_P3
UNREG
UNREG_2
SOL_12V_B
MGND
B3V
B6V
B9V
9V
-9V
B-6V
SOL_12V
CTP1
CP1
VIDEO [0-65]
AUDIO [0-45]
SV [0-20]
RF [0-61]
AVSYS [0-122]
VR_COM
REC_VR_CH1
REC_CH1_UNI_L
REC_VR_CH2
REC_CH2_UNI_L
PB_VR_CH1
PB_CH1_UNI_L
PB_VR_CH2
PB_CH2_UNI_L
PSW_OFF_L
UNREG_PSW
HP_VR_CTL
HP_VR_COM
CH2_PHONE
GND
CH1_PHONE
FR_IF_DATA
IF_FR_DATA
IF_FR_CLK
+5V
-26V
-HEATER
+HEATER
TRP0
TRP1
TRP2
TSR
FRP_SYS
SPA
CAP_FG1
FLUSH
FEND
CYL_PG
CYL_FG
CYL_FG+
S_M_CUR
T_M_CUR
FPS0
FPS1
CAP_M_CUR
CYL_M_CUR
ATF_ERR_R
ATF_ERR_L
LIVE_CTL
RTV_SPD_R
RTV_SPD_L
AGND
REFCLK
ATF1_L
ATF1_R
ENV_R
ENV_L
RP_HSW_L
PB_HSW_L
RP_HSW_R
PB_HSW_R
SBC_SRV_DATA
STILL_H
SLOW_H
LIN_H
TAPE_REV_H
S_ERR
TENSION_TP
TENSION_VR
B_EVR_TEN
SRV_SBC_DATA
EVR_SRL
SRV_SBC_CLK
EVR_TRL
VM_DET
B-6V
T_ERR
T_M_GND
B9V
B6V
B3V
DGND
T_BRK_ON(H)
T_BRK_OFF(H)
T_PHOTO
M_STOPPER_ON_H
M_STOPPER_OFF_H
PINCH_ON(H)
PINCH_OFF(H)
LOAD/UNLOAD
LOAD_M_ON_H
F_LOAD_M_ON_H
LOAD_SPEED1
LOAD_SPEED2
LOAD_SPEED3
SV_LOCK_DET
MECHA_POS1_L
SAFETY_TAB
MECHA_POS2_L
R_C_CLK
MECHA_POS3_L
R_TXD
CASSET_INR_H
C_TXD
CASSET_INL_H
REEL_POS1_H
CASSET1_H
REEL_POS2_H
CASSET2_H
RESET
CASSET_UP_L
CAASSET_MID_H
CASSET_DOWN_H
CAS_DOWN_L
SYS_SRV_DATA
SRV_SYS_DATA
SYS_SRV_CLK
SOL_NG(L)
CLN_SOL_NG
THIN_TAPE_L
CASSET_POS_2
FRAME_CTL
T_START
T_END
DEW_ON_H
DEW_GND
CL_SOL_ON(H)
S_PHOTO
PHT_LED(H)
S_BRK_ON(H)
S_BRK_OFF(H)
B_EVR_SRL
B_EVR_TRL
B_TL
RSTAND_MT_FWD
R_STAND_MT_ON_H
SOL_12V
TENSION-TP
LIVE_CTL
ATF_ERR_L
ATF_ERR_R
S_ERR
T_ERR
T_M_GND
PB-H
REC1
REC_DATA_L_P
REC_DATA_L_N
REC_DATA_R_P
REC_DATA_R_N
REC_CLK_P
REC_CLK_N
RECCTRL_L1
RECCTRL_L2
RECCTRL_R1
RECCTRL_R2
FECTRL_L1
FECTRL_L2
FECTRL_R1
FECTRL_R2
PB_DATA_L_P
PB_DATA_L_N
PB_CLK_L_P
PB_CLK_L_N
PB_DATA_R_P
PB_DATA_R_N
PB_CLK_R_P
PB_CLK_R_N
SEL_HSW_L
SEL_HSW_R
FRP_SYS
DREC_SYS
EQOUT_L_P
EQOUT_L_N
EQOUT_R_P
EQOUT_R_N
ATF1_L
ATF1_R
ENV_L
ENV_R
EVR_TEN
EVR_S_R_L
EVR_TR_L
PB_HSW_L
PB_HSW_R
RP_HSW_L
RP_HSW_R
RTV_SPD_L
RTV_SPD_R
REF_CLK
ENV_FLG_L
ENV_FLG_R
VS_DATA
VS_CLK
VS_CS
CLK20
EVR_DATA
EVR_CLK
EVR_RF0_SEL
EVR_RF1_SEL
+5.6V
-5.6V
+3.3V
+5V
+9V
-12V
5R6V_P3
-5R6V
3R3V_2
5V_P3
9V
-12V
5V_P3
GND
M_GND
UNREG
5R6V_P3
UNREG_2
SOL_12V_B
+HEATER
-HEATER
-26V
P_DOWN_DET_L
SYS_RESET
B3V
B6V
B-6V
B9V
-9V
9V
T_START
SOL_LOW_DRIVE
EVR_TEN
B_TL
B_EVR_TEN
B_EVR_SRL
B_EVR_TRL
RF [18]
AVSYS [78]
AVSYS [72]

COMPONENT NAME	MOTHER	03/03
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A87A	AJ-D95DC	
	SCM004	


P1002 VJP3878
AC_N_SW
P1001 VJP2073
AC_N
AC_L
AC_L_SW
VJP3878 P1003
C1016 0.15P(250V)
R1001 330K
C1001 PAT
L1003 ELF20N015A
C1018 PAT/2200P
C1019 PAT/2200P
PAT/VWJ0023=5
J1001
C1004 0.22(250V)
L1004 ELF20N015A
D1002 RBV606
J1002 VWJ0023=5
L1001 PAT/22U PAT/VLQ0655K220T
C1008 PAT/MMC0450K225 PAT/2.2U(450V)
C1015 1U(450V)
L1007 PAT/120U
J1003 PAT
J1004 VWJ0023=5
L1008 PAT/120U
C1003 1000P
C1002 1000P
VMP5283
C1005 2200P
ERU5TEK100 R1007
Q1001 AC08FGM
C1007 0.1/UBM
R1009 10K/J6
R1010 100(1/2W)
R1011 100(1/2W)
R1023 100(1/2W)
R1027 PAT/47K(1/2W)
R1002 47K(1/2W)
R1004 47K(1/2W)
R1028 PAT/47K(1/2W)
R1003 47K(1/2W)
R1005 47K(1/2W)
10(1/4W) R1006
D1001 SFPL-52PV
D1006 MA3100-MTX
D1007 MA3100-MTX
D1008 MA3100-MTX
D1009 MA3100-MTX
C1006 50V100
R1022 PAT/J6
135°C F1001 VSF0246
R1008 PAT/J6
R1025 12K/J6
R1024 10K/J6
VLQ0861 L1002
R1012 100K/J6
2SK1941-01R Q1002
PAT/470P(2KV) C1011
D1005 FML-G26S
C1010 220P(2KV)
R1017 22/G ERG2SJ220E
R1013 0.22(2W) ERX2SJR22
C1013 450V150
SFPL-52PV D1003
R1014 10(1/4W)
D1004 SFPL-52PV
R1018 22(1/4W)
R1021 10K/J6
400V_+
400V_-
INRUSH_TRG
VJP1149 P1007
400V +
400V -
VJP3042G003W P1004
REC AC
VJP3042G003W P1005
PFC DRV
PFC ICVCC
PFC ZCD
PFC CSNS
PFC VFB
PFC GND
MAIN GND
MAIN VFB PC
MAIN WARN PC
MAIN OCP
MAIN ICVCC
MAIN DRV
VJP3042G017W P1006
C1017 0.0022
R1026 4700/J6
VR1001 PAT/VR2
R1020 47/RE
R1019 2700
C1014 4700P/UBN
MAIN_GND
MAIN_VFB_PC
MAIN_WARN_PC
MAIN_OCP
MAIN_ICVCC
MAIN_DRV

⚠警告 ⚠印の部品は安全上重要な部品です。交換するときは、安全及び性能維持のため必ず指定の部品をご使用ください。

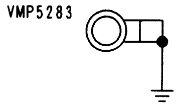
▭ 内は充電部です。AC100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

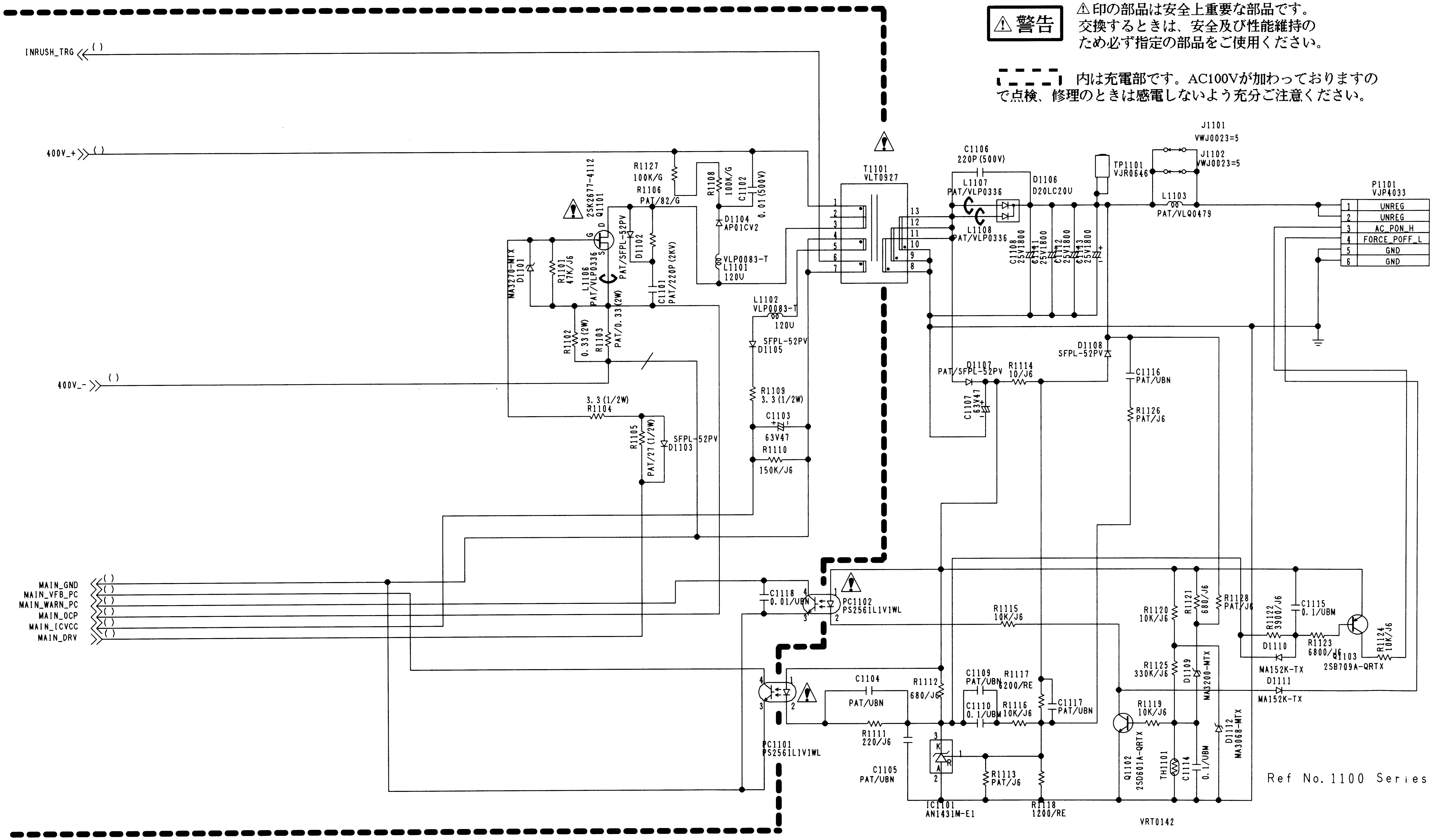
Ref No. 1000 Series



COMPONENT NAME	POWER 1	01/02
CIRCUIT BOARD NO.	MODEL NO.	
VEP81203A	AJ-D95DC	
	SCM005	

⚠ 警告　⚠印の部品は安全上重要な部品です。交換するときは、安全及び性能維持のため必ず指定の部品をご使用ください。

▭ 内は充電部です。AC100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

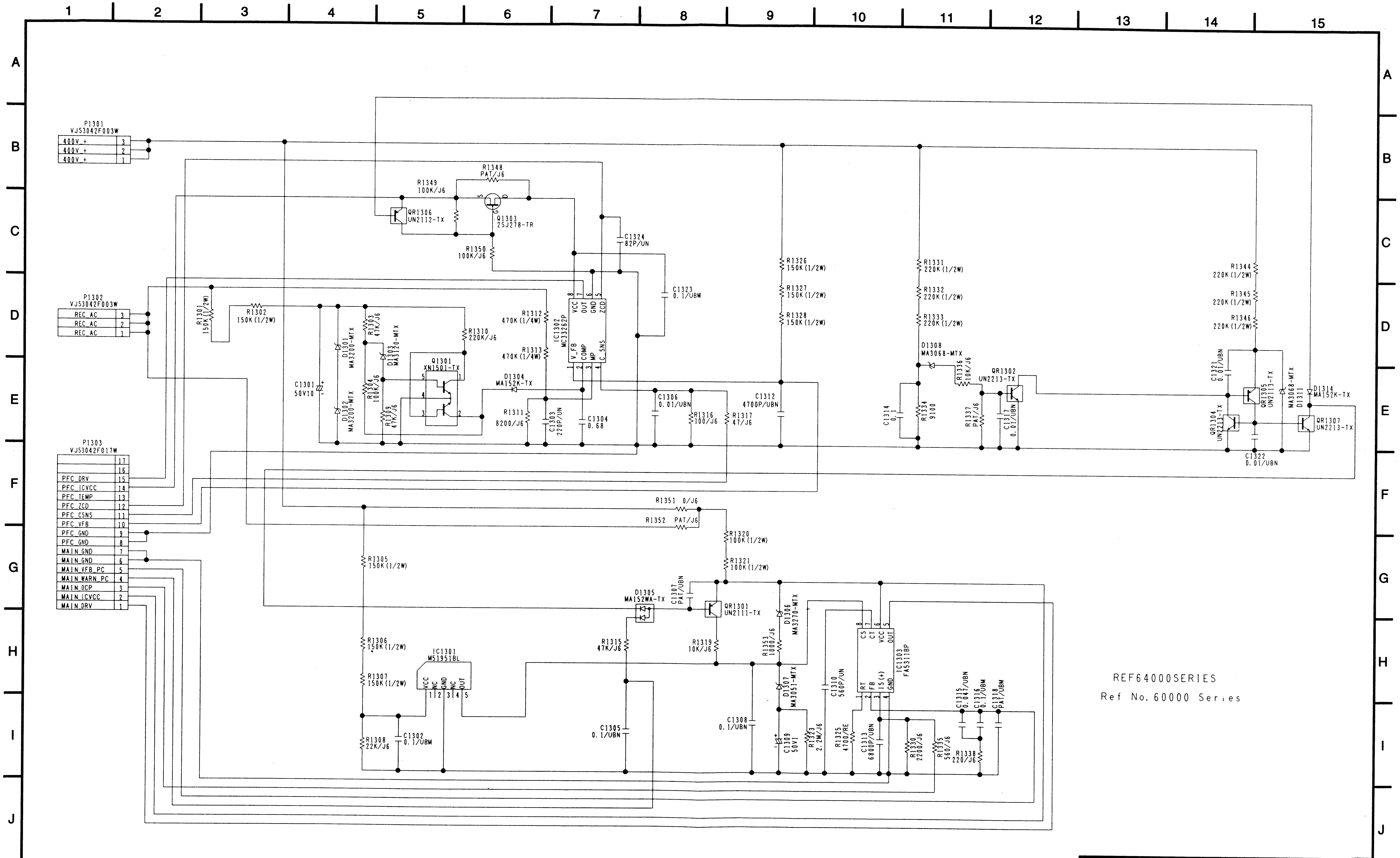

INRUSH_TRG
400V_+
400V_-
MAIN_GND
MAIN_VFB_PC
MAIN_WARN_PC
MAIN_OCP
MAIN_[CVCC
MAIN_DRV
R1127 100K/G
R1106 PAT/82/G
R1108 100K/G
C1102 0.01(500V)
D1104 AP01CV2
VLP0083-T L1101 120U
2SK2677-4112 Q1101
G D S
MA3270-MTX D1101
R1101 47K/J6
L1106 PAT/VLP0336
PAT/SFPL-52PV D1102
C1101 PAT/220P(2KV)
R1102 0.33(2W)
R1103 PAT/0.33(2W)
3.3(1/2W) R1104
R1105 PAT/27(1/2W)
SFPL-52PV D1103
L1102 VLP0083-T 120U
SFPL-52PV D1105
R1109 3.3(1/2W)
C1103 63V47
R1110 150K/J6
T1101 VLT0927
1 2 3 4 5 6 7 8 9 10 11 12 13
C1106 220P(500V)
L1107 PAT/VLP0336
L1108 PAT/VLP0336
D1106 D20LC20U
C1108 25V1800
C1111 25V1800
C1112 25V1800
C1113 25V1800
TP1101 VJR0646
J1101 VWJ0023=5
J1102 VWJ0023=5
L1103 PAT/VLQ0479
P1101 VJP4033
1 UNREG
2 UNREG
3 AC_PON_H
4 FORCE_POFF_L
5 GND
6 GND
D1108 SFPL-52PV
D1107 PAT/SFPL-52PV
R1114 10/J6
C1107 63V47
C1116 PAT/UBN
R1126 PAT/J6
C1118 0.01/UBN
PC1102 PS2561L1V1WL
R1115 10K/J6
PC1101 PS2561L1V1WL
C1104 PAT/UBN
R1111 220/J6
C1105 PAT/UBN
R1112 680/J6
C1109 PAT/UBN
C1110 0.1/UBM
R1117 6200/RE
R1116 10K/J6
C1117 PAT/UBN
IC1101 AN1431M-E1
K A R
R1113 PAT/J6
R1118 1200/RE
Q1102 2SD601A-QRTX
R1119 10K/J6
R1120 10K/J6
R1121 680/J6
R1125 330K/J6
R1128 PAT/J6
D1109 MA3200-MTX
TH1101
C1114 0.1/UBM
D1112 MA3068-MTX
VRT0142
R1122 3900/J6
C1115 0.1/UBM
D1110 MA152K-TX
R1123 6800/J6
Q1103 2SB709A-QRTX
R1124 10K/J6
D1111 MA152K-TX
Ref No.1100 Series

CAUTION

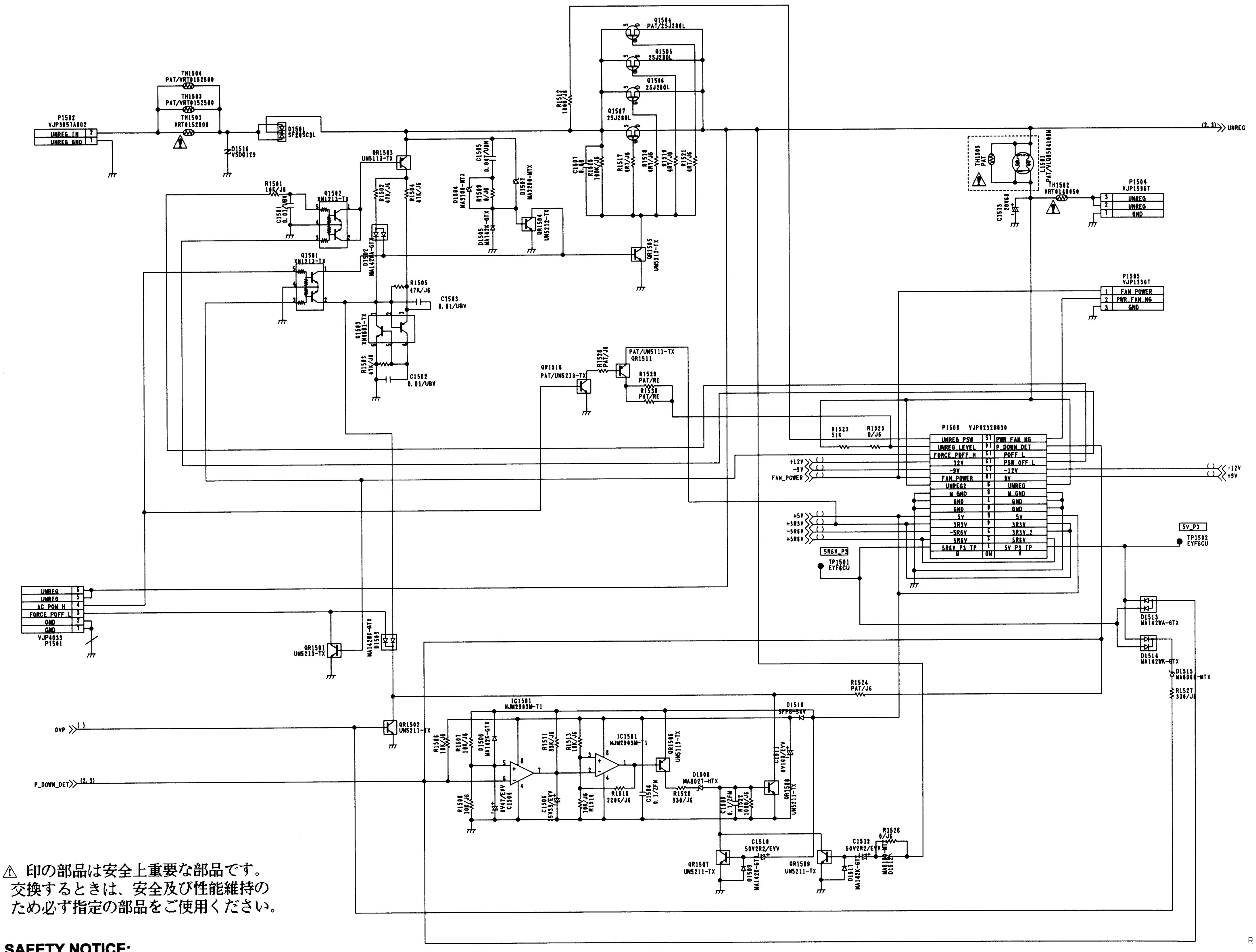
THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

COMPONENT NAME	POWER 1	02/02
CIRCUIT BOARD NO.	MODEL NO.	
VEP81203A	AJ-D95DC	
	SCM006	


P1301
VJS3042F003W
400V +
P1302
VJS3042F003W
REC_AC
P1303
VJS3042F017W
PFC_DRV
PFC_ICVCC
PFC_TEMP
PFC_ZCD
PFC_CSNS
PFC_VFB
PFC_GND
MAIN_GND
MAIN_VFB_PC
MAIN_WARN_PC
MAIN_OCP
MAIN_ICVCC
MAIN_DRV
R1348 PAT/J6
R1349 100K/J6
QR1306 UN2112-TX
Q1303 2SJ278-TR
R1350 100K/J6
C1324 82P/UN
C1323 0.1/UBM
R1301 150K(1/2W)
R1302 150K(1/2W)
C1301 50V10
D1301 MA3200-MTX
D1302 MA3200-MTX
R1303 47K/J6
D1303 MA3120-MTX
R1304 100K/J6
R1309 47K/J6
Q1301 XN1501-TX
R1310 220K/J6
D1304 MA152K-TX
R1312 470K(1/4W)
R1313 470K(1/4W)
R1311 8200/J6
C1303 220P/UN
C1304 0.68
IC1302 MC33262P
VCC OUT GND ZCD
V_FB COMP MP C_SNS
C1306 0.01/UBN
R1316 100/J6
R1317 47/J6
R1326 150K(1/2W)
R1327 150K(1/2W)
R1328 150K(1/2W)
C1312 4700P/UBN
R1331 220K(1/2W)
R1332 220K(1/2W)
R1333 220K(1/2W)
D1308 MA3068-MTX
R1336 10K/J6
QR1302 UN2213-TX
C1314 0.1
R1334 9100
R1337 PAT/J6
C1317 0.01/UBN
R1344 220K(1/2W)
R1345 220K(1/2W)
R1346 220K(1/2W)
C1321 0.01/UBN
QR1305 UN2113-TX
D1311 MA3068-MTX
D1314 MA152K-TX
QR1304 UN2213-TX
QR1307 UN2213-TX
C1322 0.01/UBN
R1351 0/J6
R1352 PAT/J6
R1320 100K(1/2W)
R1321 100K(1/2W)
R1305 150K(1/2W)
R1306 150K(1/2W)
R1307 150K(1/2W)
R1308 22K/J6
C1302 0.1/UBM
IC1301 M51951BL
VCC NC GND NC OUT
D1305 MA152WA-TX
C1307 PAT/UBN
QR1301 UN2111-TX
D1306 MA3270-MTX
R1315 47K/J6
R1319 10K/J6
R1353 1000/J6
C1305 0.1/UBN
D1307 MA3051-MTX
C1310 560P/UN
IC1303 FA5311BP
CS CT VCC OUT
RT FB IS(+) GND
C1308 0.1/UBN
C1309 50V1
R1323 2.2M/J6
R1325 470/RE
C1313 680P/UBN
R1330 2200/J6
R1335 560/J6
C1315 0.047/UBN
C1316 0.1/UBM
C1318 PAT/UBM
R1338 220/J6
REF64000SERIES
Ref No. 60000 Series
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

COMPONENT NAME	POWER 1 SUB	01/01
CIRCUIT BOARD NO.	MODEL NO.	
VEP81189A	AJ-D95DC	
	SCM007	


P1502
VJP3957A002
UNREG IN
UNREG GND
TH1504
PAT/VRT0152500
TH1503
PAT/VRT0152500
TH1501
VRT0152900
D1516
VSD0129
D1501
SF20SC3L
QR1503
UN5113-TX
R1501
10K/J6
C1501
0.01/UBV
Q1502
XN1213-TX
Q1501
XN1213-TX
R1502
47K/J6
R1504
47K/J6
D1502
MA142WA-GTX
R1505
47K/J6
C1503
0.01/UBV
Q1503
XN4601-TX
R1503
47K/J6
C1502
0.01/UBV
C1505
0.047/UBN
D1504
MA3100-MTX
R1509
0/J6
D1505
MA142K-GTX
D1507
MA3200-MTX
QR1504
UN5212-TX
R1512
1000/J6
Q1504
PAT/2SJ280L
Q1505
2SJ280L
Q1506
2SJ280L
Q1507
2SJ280L
C1507
0.68
R1515
100K/J6
R1517
4R7/J6
R1518
4R7/J6
R1519
4R7/J6
R1521
4R7/J6
QR1505
UN5212-TX
(2, 3) UNREG
TH1505
PAT
L1501
PAT/VLQ0504100M
TH1502
VRT0148050
C1513
20V68
P1504
VJP1596T
UNREG
UNREG
GND
P1505
VJP1230T
FAN_POWER
PWR_FAN_NG
GND
QR1510
PAT/UN5213-TX
R1528
PAT/J6
PAT/UN5111-TX
QR1511
R1529
PAT/RE
R1530
PAT/RE
R1523
51K
R1525
0/J6
P1503 VJP4232B030
UNREG PSW
UNREG LEVEL
FORCE POFF H
12V
-9V
FAN POWER
UNREG2
M GND
GND
GND
5V
3R3V
-5R6V
5R6V
5R6V P3 TP
PWR FAN NG
P DOWN DET
POFF L
PSW OFF L
-12V
9V
UNREG
M GND
GND
GND
5V
3R3V
3R3V 2
5R6V
5V P3 TP
+12V
-9V
FAN_POWER
-12V
+9V
+5V
+3R3V
-5R6V
+5R6V
5R6V_P3
TP1501
EYF6CU
5V_P3
TP1502
EYF6CU
UNREG
UNREG
AC PON H
FORCE POFF L
GND
GND
VJP4033
P1501
QR1501
UN5213-TX
MA142WK-GTX
D1503
D1513
MA142WA-GTX
D1514
MA142WK-GTX
D1515
MA8068-MTX
R1527
330/J6
R1524
PAT/J6
DVP
P_DOWN_DET (2, 3)
QR1502
UN5211-TX
IC1501
NJM2903M-T1
R1506
10K/J6
R1507
10K/J6
D1506
MA142K-GTX
R1508
10K/J6
6V47/EVV
C1504
R1511
33K/J6
C1506
25V33/EVV
R1513
10K/J6
10K/J6
R1514
IC1501
NJM2903M-T1
R1516
220K/J6
C1508
0.1/ZFN
QR1506
UN5113-TX
D1508
MA8027-HTX
R1520
330/J6
C1509
0.1/ZFN
R1522
1000/J6
C1511
6V100/EVV
QR1508
UN5211-TX
D1510
SFPB-54V
QR1507
UN5211-TX
D1509
MA142K-GTX
C1510
50V2R2/EVV
QR1509
UN5211-TX
D1511
MA142K-GTX
C1512
50V2R2/EVV
R1526
0/J6
MA8100-MTX
D1512

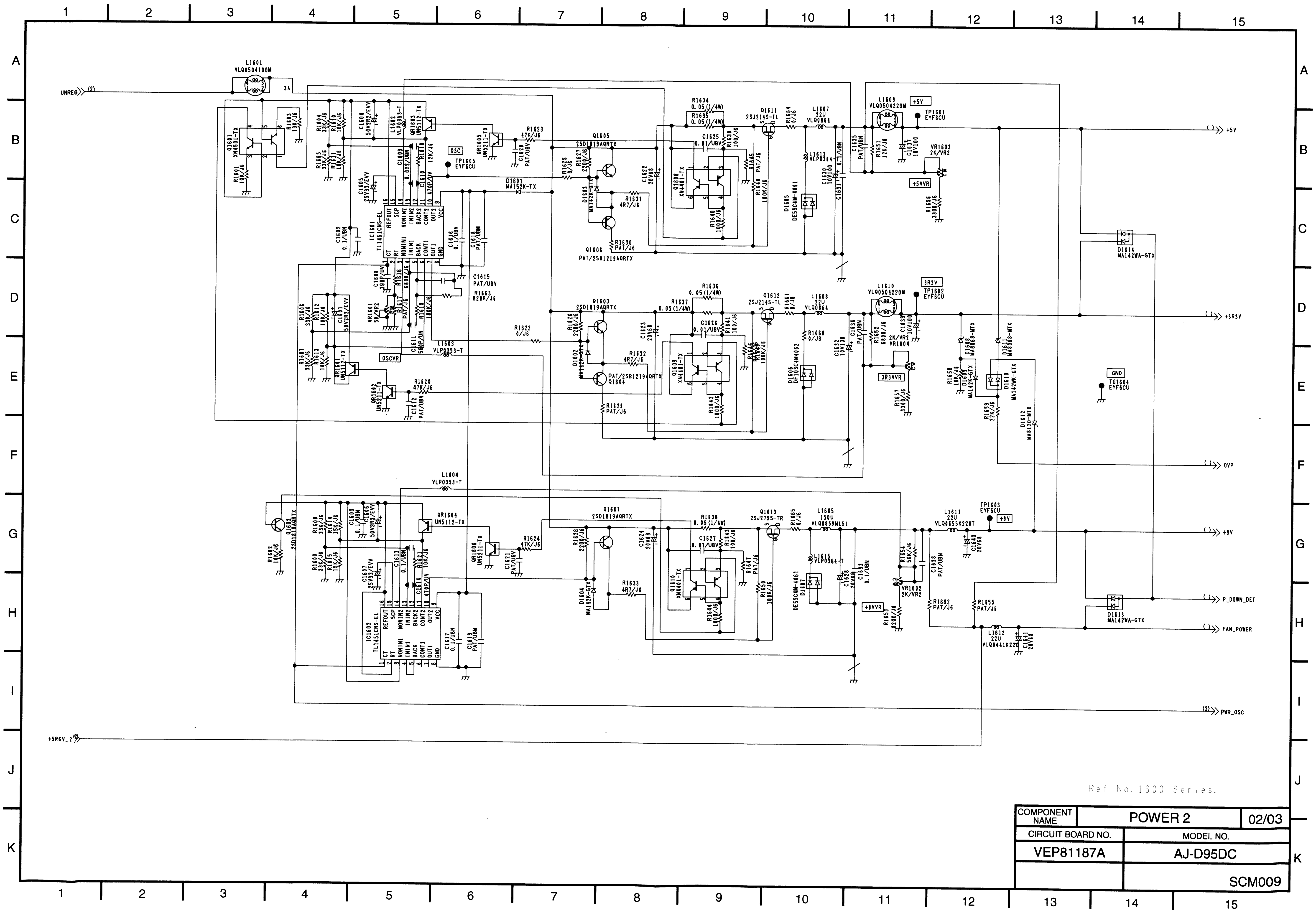
⚠警告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全及び性能維持の
ため必ず指定の部品をご使用ください。

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL
CHARACTERISTICS FOR SAFETY.
WHEN REOLACING ANY OF THESE COMONENTS.
USE ONLY THE SAME TYPE.

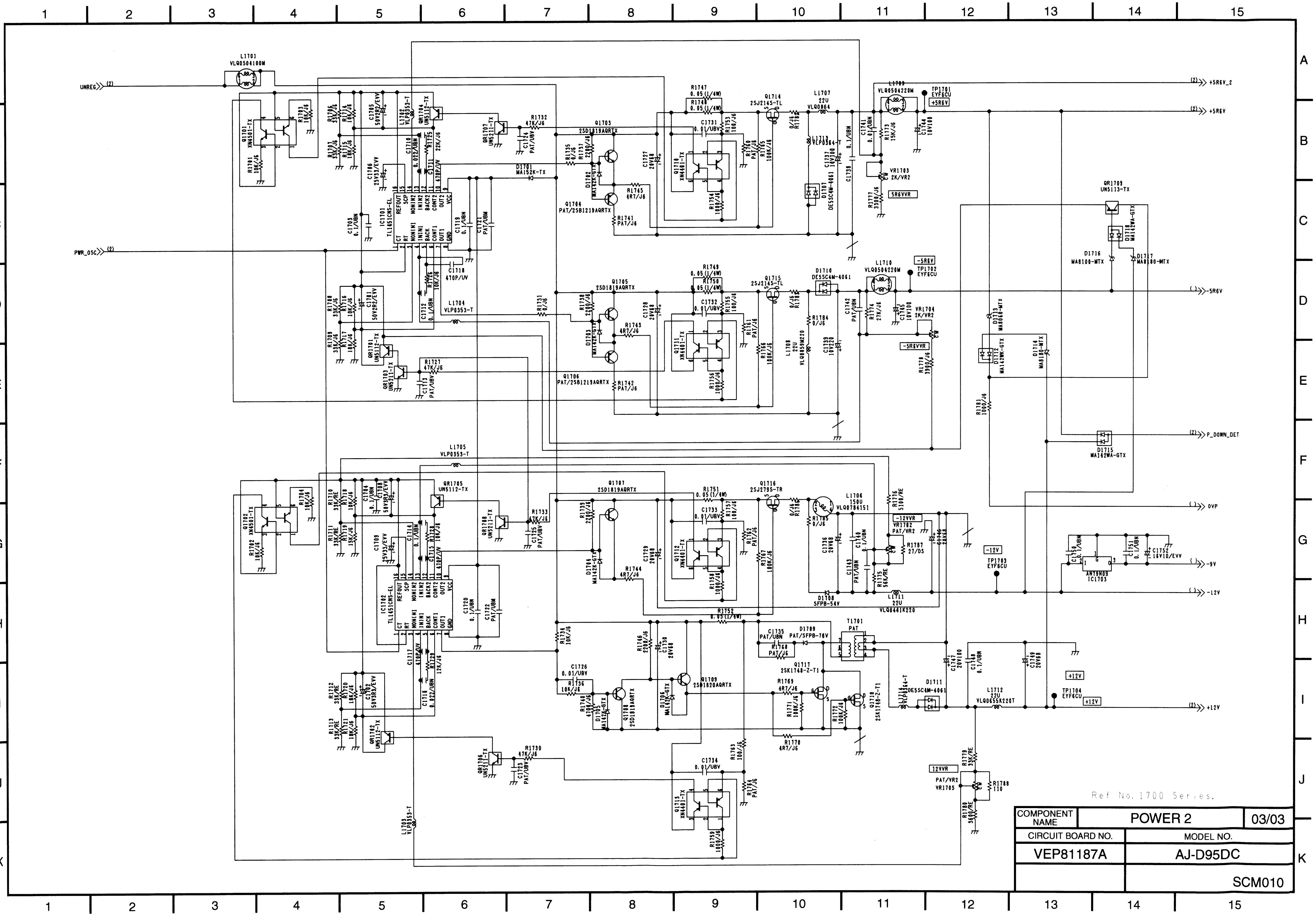
Ref No. 1500 Series.

COMPONENT NAME	POWER 2	01/03
CIRCUIT BOARD NO.	MODEL NO.	
VEP81187A	AJ-D95DC	
	SCM008	

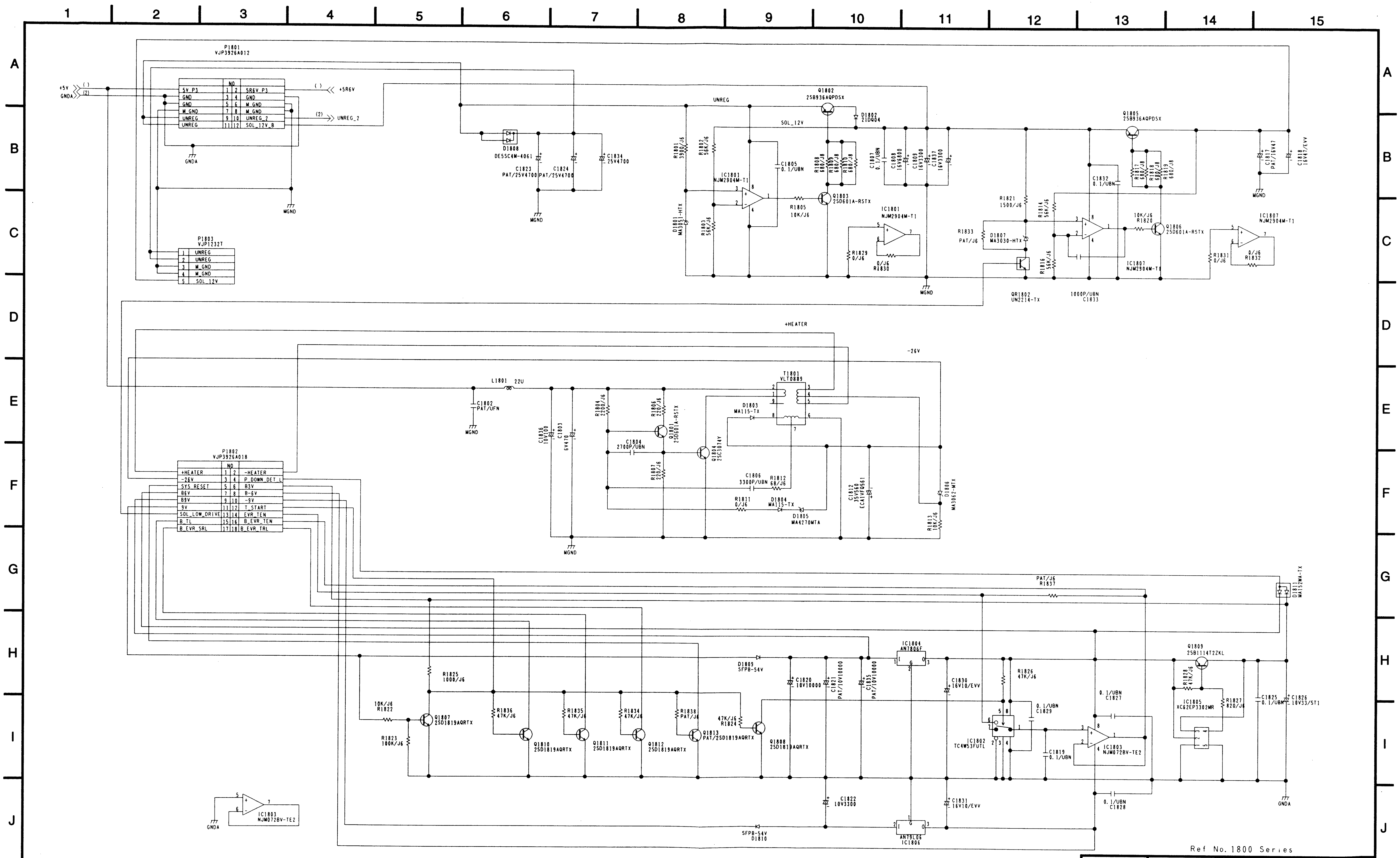

UNREG (2)
L1601 VLQ0504100M
3A
Q1601 XN4501-TX
R1601 10K/J6
R1603 10K/J6
R1604 33K/J6
R1610 10K/J6
R1605 33K/J6
R1611 10K/J6
C1604 50V2R2/EVV
L1602 VLP0353-T
QR1603 UN5112-TX
C1609 0.022/UBN
R1618 12K/J6
C1610 470P/UV
C1605 25V33/EVV
OSC
TP1605 EYF6CU
QR1605 UN5211-TX
R1623 47K/J6
C1620 PAT/UBV
IC1601 TL1451CNS-EL
REFOUT SCP NONIN2 ININ2 BACK2 CONT2 OUT2 VCC
CT RT NONIN1 ININ1 BACK CONT1 OUT1 GND
C1602 0.1/UBN
C1616 0.1/UBN
C1618 PAT/UBN
C1608 390P/UV
R1616 6800/J6
C1615 PAT/UBV
R1663 820K/J6
D1601 MA152K-TX
R1606 33K/J6
R1612 10K/J6
C1601 50V2R2/EVV
VR1601 5K/VR2
R1617 PAT/J6
R1619 180K/J6
C1611 560P/UN
R1607 33K/J6
R1613 10K/J6
QR1601 UN5112-TX
OSCVR
QR1602 UN5211-TX
C1612 PAT/UBV
R1620 47K/J6
L1603 VLP0353-T
R1622 0/J6
Q1605 2SD1819AQRTX
R1625 0/J6
R1627 2200/J6
D1603 MA142K-GTX
R1631 4R7/J6
R1630 PAT/J6
Q1606 PAT/2SB1219AQRTX
C1622 20V68
R1634 0.05(1/4W)
R1635 0.05(1/4W)
C1625 0.01/UBV
R1639 100/J6
Q1608 XN4401-TX
R1645 PAT/J6
R1648 100K/J6
R1640 1000/J6
Q1611 2SJ214S-TL
R1664 0/J6
L1607 22U VLQ0864
L1613 VLP0364-T
C1630 10V100
C1631 0.1/UBN
D1605 DE5SC4M-4061
L1609 VLQ0504220M
+5V
TP1601 EYF6CU
C1635 PAT/UBN
R1651 12K/J6
C1637 10V100
VR1603 2K/VR2
+5VVR
R1656 3300/J6
+5V
D1614 MA142WA-GTX
Q1603 2SD1819AQRTX
R1626 2200/J6
D1602 MA142K-GTX
Q1604 PAT/2SB1219AQRTX
R1632 4R7/J6
R1629 PAT/J6
C1623 20V68
R1636 0.05(1/4W)
R1637 0.05(1/4W)
C1626 0.01/UBV
R1641 100/J6
Q1609 XN4401-TX
R1646 PAT/J6
R1649 100K/J6
R1642 1000/J6
Q1612 2SJ214S-TL
R1661 0/J8
L1608 22U VLQ0864
R1660 0/J8
D1606 DF1J06-4M4062
C1632 10V100
C1636 PAT/UBN
3R3V
L1610 VLQ0504220M
TP1602 EYF6CU
R1652 6800/J6
C1639 10V100
2K/VR2 VR1604
3R3VVR
R1657 3300/J6
D1608 MA8068-MTX
D1611 MA8068-MTX
R1658 10K/J6
D1609 MA142WA-GTX
D1610 MA142WK-GTX
R1659 22K/J6
D1612 MA8120-MTX
+3R3V
GND
TG1604 EYF6CU
OVP
L1604 VLP0353-T
Q1602 2SD1819AQRTX
R1602 10K/J6
R1608 33K/J6
R1614 15K/J6
C1603 0.1/UBN
C1606 50V3R3/EVV
QR1604 UN5112-TX
R1609 33K/J6
R1615 15K/J6
C1607 25V33/EVV
C1613 0.1/UBN
R1621 10K/J6
C1614 470P/UV
QR1606 UN5211-TX
R1624 47K/J6
C1621 PAT/UBV
IC1602 TL1451CNS-EL
C1617 0.1/UBN
C1619 PAT/UBN
Q1607 2SD1819AQRTX
R1628 2200/J6
D1604 MA142K-GTX
R1633 4R7/J6
C1624 20V68
R1638 0.05(1/4W)
C1627 0.01/UBV
R1643 100/J6
Q1610 XN4401-TX
R1647 PAT/J6
R1650 100K/J6
R1644 1000/J6
Q1613 2SJ279S-TR
R1665 0/J6
L1605 150U VLQ0859M151
L1615 VLP0364-T
D1607 DE5SC4M-4061
C1628 20V68
C1633 0.1/UBN
+9VVR
R1653 8200/J6
R1654 56K/J6
VR1602 2K/VR2
L1611 22U VLQ0655K220T
TP1603 EYF6CU
+9V
C1640 20V68
C1638 PAT/UBN
R1662 PAT/J6
R1655 PAT/J6
L1612 22U VLQ0441K220
C1641 20V68
D1613 MA142WA-GTX
+9V
P_DOWN_DET
FAN_POWER
(3) PWR_OSC
+5R6V_2 (4)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

Ref No. 1600 Series.

COMPONENT NAME	POWER 2	02/03
CIRCUIT BOARD NO.	MODEL NO.	
VEP81187A	AJ-D95DC	
	SCM009	


UNREG
PWR_OSC
+5R6V_2
+5R6V
-5R6V
P_DOWN_DET
OVP
-9V
-12V
+12V
L1701 VLQ0504100M
IC1701 TL1451CNS-EL
IC1702 TL1451CNS-EL
IC1703 AN79N09
Q1701 XN4501-TX
Q1702 XN4501-TX
Q1703 2SD1819AQRTX
Q1704 PAT/2SB1219AQRTX
Q1705 2SD1819AQRTX
Q1706 PAT/2SB1219AQRTX
Q1707 2SD1819AQRTX
Q1708 2SD1819AQRTX
Q1709 2SD1820AQRTX
Q1714 2SJ214S-TL
Q1715 2SJ214S-TL
Q1716 2SJ279S-TR
Q1717 2SK1748-Z-T1
Q1718 2SK1748-Z-T1
T1701 PAT
L1709 VLQ0504220M
L1710 VLQ0504220M
L1706 150U VLQ0784151
L1712 22U VLQ0655K220T
D1710 DE5SC4M-4061
D1711 DE5SC4M-4061
D1715 MA142WA-GTX
QR1709 UN5113-TX
TP1701 EYF6CU
TP1702 EYF6CU
TP1703 EYF6CU
TP1704 EYF6CU
5R6VVR
-5R6VVR
-12VVR
12VVR
VR1703 2K/VR2
VR1704 2K/VR2
VR1702 PAT/VR2
VR1705 PAT/VR2
Ref No.1700 Series.

COMPONENT NAME	POWER 2	03/03
CIRCUIT BOARD NO.	MODEL NO.	
VEP81187A	AJ-D95DC	
	SCM010	


1
2
3
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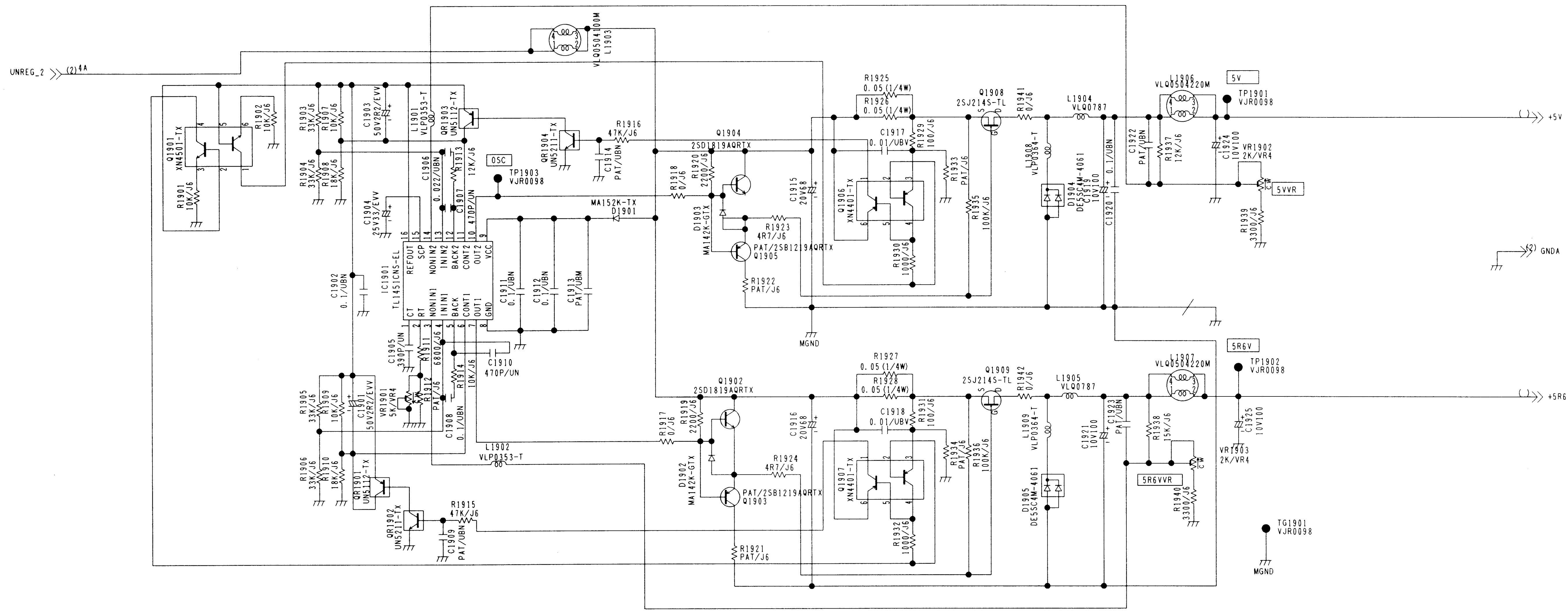
5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
H
I
J
K
P1801
VJP3926A012
+5V
GNDA
5V_P3
GND
GND
M_GND
UNREG
UNREG
5R6V_P3
GND
M_GND
M_GND
UNREG_2
SOL_12V_B
+5R6V
UNREG_2
GNDA
MGND
P1803
VJP1232T
UNREG
UNREG
M_GND
M_GND
SOL_12V
D1808
DE5SC4M-4061
C1823
PAT/25V4700
C1824
PAT/25V4700
C1834
25V4700
UNREG
SOL_12V
Q1802
2SB936AQPDSX
D1802
21D404
R1801
3900/J6
R1802
56K/J6
IC1801
NJM2904M-T1
C1805
0.1/UBN
R1805
10K/J6
Q1803
2SD601A-RSTX
R1808
R1809
R1810
C1807
0.1/UBN
C1808
16V6800
C1809
16V3300
C1837
16V3300
D1801
MA3051-HTX
R1803
56K/J6
IC1801
NJM2904M-T1
R1829
0/J6
0/J6
R1830
MGND
Q1805
2SB936AQPDSX
C1832
0.1/UBN
R1817
R1818
R1819
C1817
PAT/16V47
C1818
16V47/EVV
R1821
1500/J6
R1833
PAT/J6
D1807
MA3030-HTX
R1814
56K/J6
R1816
56K/J6
10K/J6
R1820
Q1806
2SD601A-RSTX
IC1807
NJM2904M-T1
R1831
0/J6
0/J6
R1832
IC1807
NJM2904M-T1
QR1802
UN2214-TX
1000P/UBN
C1833
+HEATER
-26V
L1801
22U
C1802
PAT/UFN
MGND
C1836
10V100
C1803
6V470
R1804
220/J6
R1806
22K/J6
Q1801
2SD601A-RSTX
C1804
2700P/UBN
Q1804
2SC3074Y
R1807
220/J6
T1801
VLT0889
D1803
MA115-TX
C1806
3300P/UBN
R1812
68/J6
R1811
0/J6
D1804
MA115-TX
D1805
MA4270MTA
C1812
ECA1VF0561
D1806
MA3062-MTX
R1813
10K/J6
MGND
P1802
VJP3926A018
+HEATER
-26V
SYS_RESET
B6V
B3V
9V
SOL_LOW_DRIVE
B_TL
B_EVR_SRL
-HEATER
P_DOWN_DET_L
B3V
B-6V
-9V
T_START
EVR_TEN
B_EVR_TEN
B_EVR_TRL
PAT/J6
R1837
D1811
MA152WA-TX
IC1804
AN7806F
D1809
SFPB-54V
R1825
1000/J6
10K/J6
R1822
R1823
100K/J6
Q1807
2SD1819AQRTX
R1836
47K/J6
Q1810
2SD1819AQRTX
R1835
47K/J6
Q1811
2SD1819AQRTX
R1834
47K/J6
Q1812
2SD1819AQRTX
R1838
PAT/J6
Q1813
PAT/2SD1819AQRTX
47K/J6
R1824
Q1808
2SD1819AQRTX
C1820
10V10000
C1821
PAT/10V10000
C1835
PAT/10V10000
C1830
16V10/EVV
R1826
47K/J6
0.1/UBN
C1829
IC1802
TC4W53FUTL
C1819
0.1/UBN
0.1/UBN
C1827
IC1803
NJM072BV-TE2
Q1809
2SB1114T2ZKL
R1828
47K/J6
IC1805
XC62EP3302MR
R1827
820/J6
C1825
0.1/UBN
C1826
10V33/ST1
GNDA
C1822
10V3300
C1831
16V10/EVV
0.1/UBN
C1828
SFPB-54V
D1810
AN79L06
IC1806
IC1803
NJM072BV-TE2
GNDA

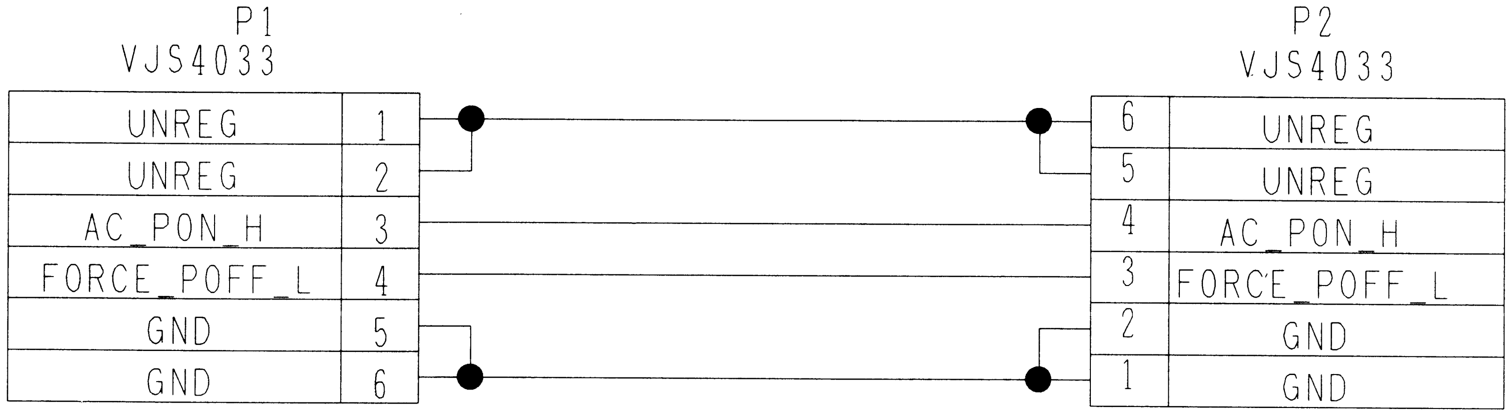
Ref No. 1800 Series

COMPONENT NAME	POWER 3	01/02
CIRCUIT BOARD NO.	MODEL NO.	
VEP81188A	AJ-D95DC	
	SCM011	

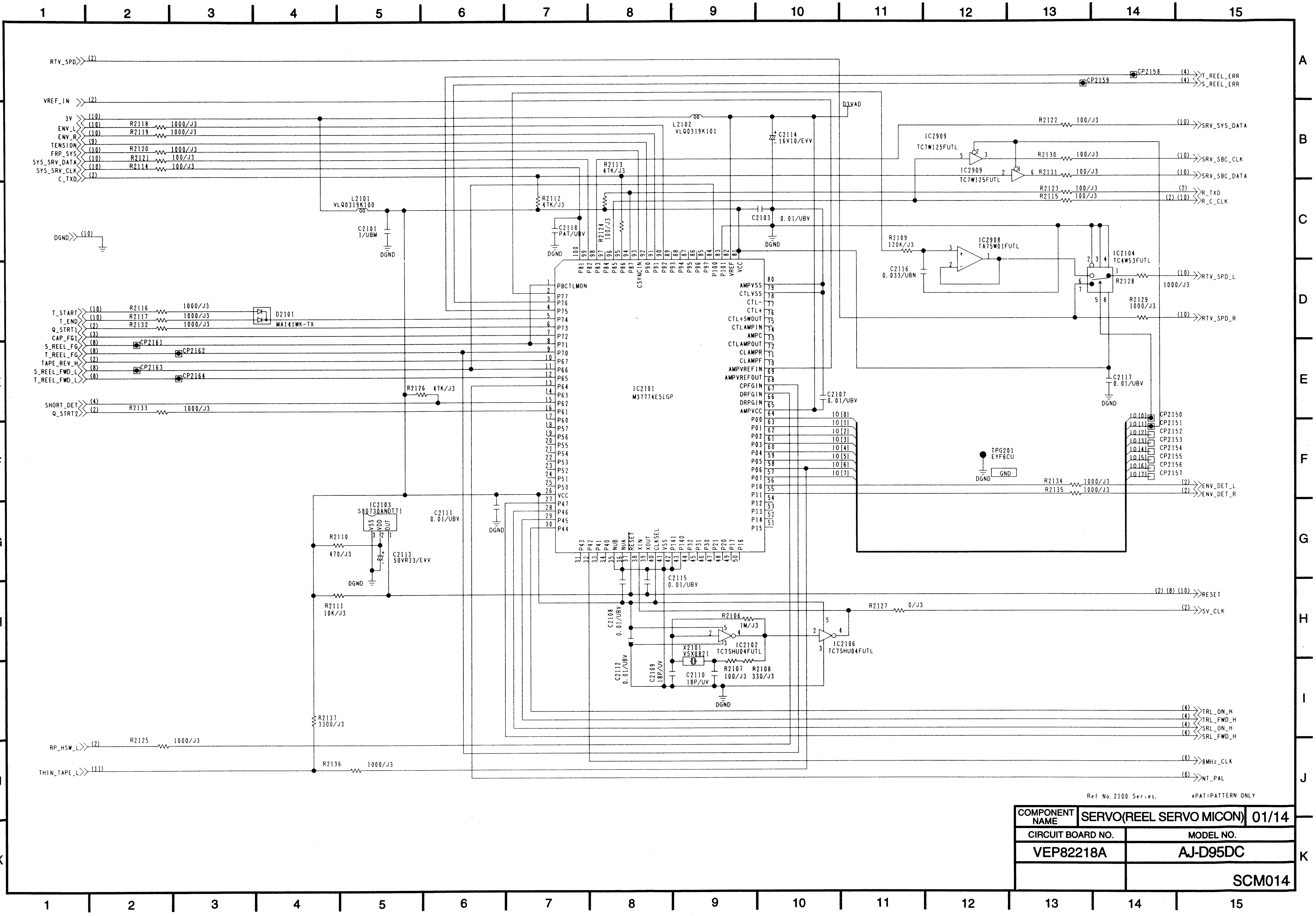

UNREG_2
(2)4A
Q1901
XN4501-TX
R1901
10K/J6
R1902
10K/J6
R1903
33K/J6
R1907
10K/J6
R1904
33K/J6
R1908
18K/J6
C1903
50V2R2/EVV
L1901
VLP0353-T
QR1903
UN5112-TX
C1904
25V33/EVV
C1906
0.022/UBN
R1913
12K/J6
C1907
470P/UN
OSC
TP1903
VJR0098
QR1904
UN5211-TX
C1914
PAT/UBN
R1916
47K/J6
VLQ0504100M
L1903
MA152K-TX
D1901
R1918
0/J6
C1902
0.1/UBN
IC1901
TL1451CNS-EL
REFOUT
SCP
NONIN2
ININ2
BACK2
CONT2
OUT2
VCC
CT
RT
NONIN1
ININ1
BACK
CONT1
OUT1
GND
C1911
0.1/UBN
C1912
0.1/UBN
C1913
PAT/UBM
C1905
390P/UN
R1911
6800/J6
C1910
470P/UN
R1914
10K/J6
R1912
PAT/J6
VR1901
5K/VR4
C1908
0.1/UBN
R1905
33K/J6
R1909
10K/J6
C1901
50V2R2/EVV
R1906
33K/J6
R1910
18K/J6
QR1901
UN5112-TX
QR1902
UN5211-TX
R1915
47K/J6
C1909
PAT/UBN
L1902
VLP0353-T
Q1904
2SD1819AQRTX
R1920
2200/J6
D1903
MA142K-GTX
R1923
4R7/J6
PAT/2SB1219AQRTX
Q1905
R1922
PAT/J6
C1915
20V68
MGND
R1925
0.05(1/4W)
R1926
0.05(1/4W)
C1917
0.01/UBV
R1929
100/J6
Q1906
XN4401-TX
R1930
1000/J6
R1933
PAT/J6
R1935
100K/J6
Q1908
2SJ214S-TL
R1941
0/J6
L1908
VLP0364-T
D1904
DE5SC4M-4061
L1904
VLQ0787
C1919
10V100
C1920
0.1/UBN
C1922
PAT/UBN
R1937
12K/J6
L1906
VLQ0504220M
5V
TP1901
VJR0098
C1924
10V100
VR1902
2K/VR4
5VVR
R1939
3300/J6
+5V
(2) GNDA
Q1902
2SD1819AQRTX
R1917
0/J6
R1919
2200/J6
D1902
MA142K-GTX
R1924
4R7/J6
PAT/2SB1219AQRTX
Q1903
R1921
PAT/J6
C1916
20V68
R1927
0.05(1/4W)
R1928
0.05(1/4W)
C1918
0.01/UBV
R1931
100/J6
Q1907
XN4401-TX
R1932
1000/J6
R1934
PAT/J6
R1936
100K/J6
Q1909
2SJ214S-TL
R1942
0/J6
L1909
VLP0364-T
D1905
DE5SC4M-4061
L1905
VLQ0787
C1921
10V100
C1923
PAT/UBN
R1938
15K/J6
L1907
VLQ0504220M
5R6V
TP1902
VJR0098
C1925
10V100
VR1903
2K/VR4
5R6VVR
R1940
3300/J6
+5R6V
TG1901
VJR0098
MGND

Ref No.1900 Series

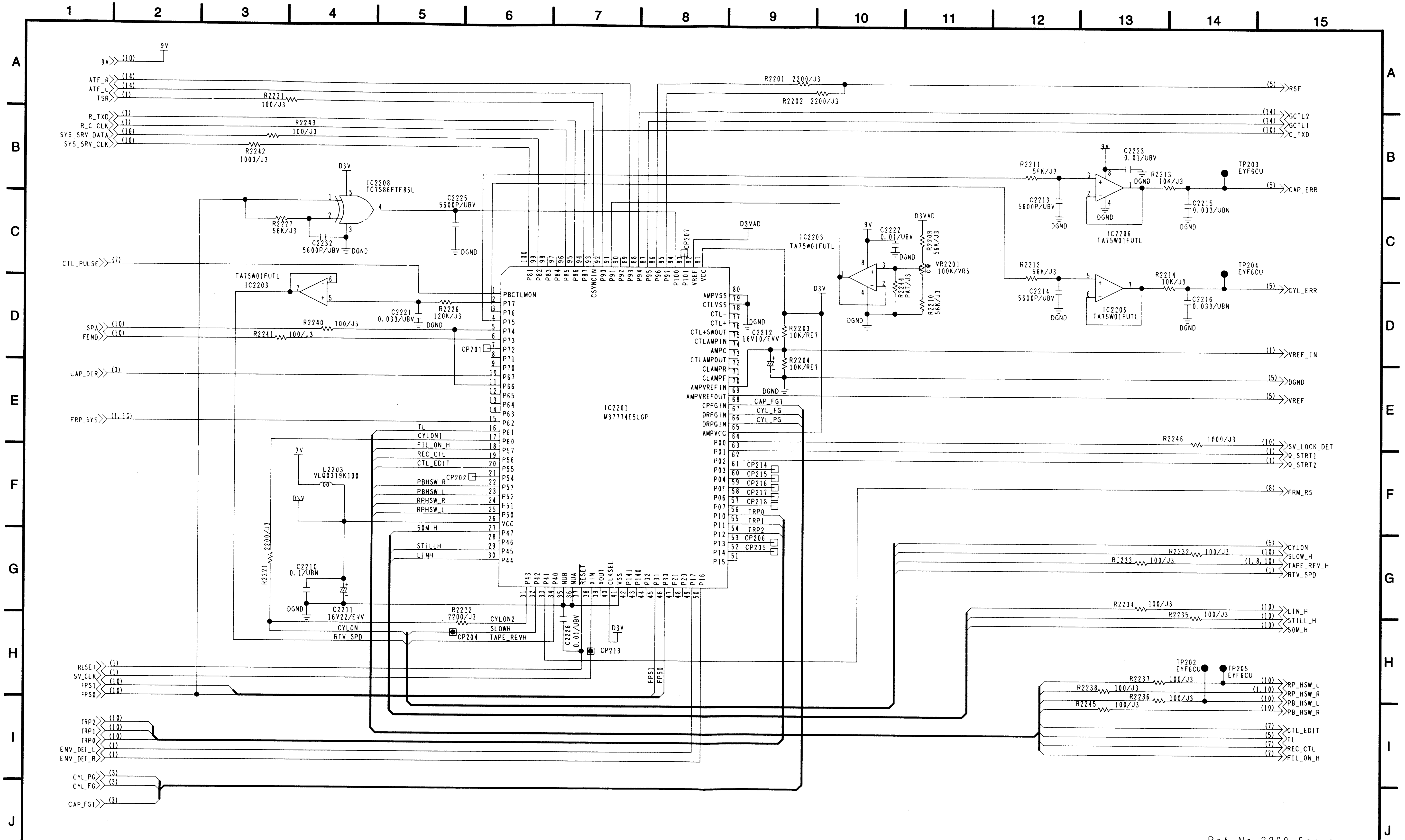
COMPONENT NAME	POWER 3	02/02
CIRCUIT BOARD NO.	MODEL NO.	
VEP81188A	AJ-D95DC	
	SCM012	


P1
VJS4033
UNREG 1
UNREG 2
AC_PON_H 3
FORCE_POFF_L 4
GND 5
GND 6
P2
VJS4033
6 UNREG
5 UNREG
4 AC_PON_H
3 FORCE_POFF_L
2 GND
1 GND

COMPONENT NAME	POWER CONNECT	01/01
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A88A	AJ-D95DC	
	SCM013	

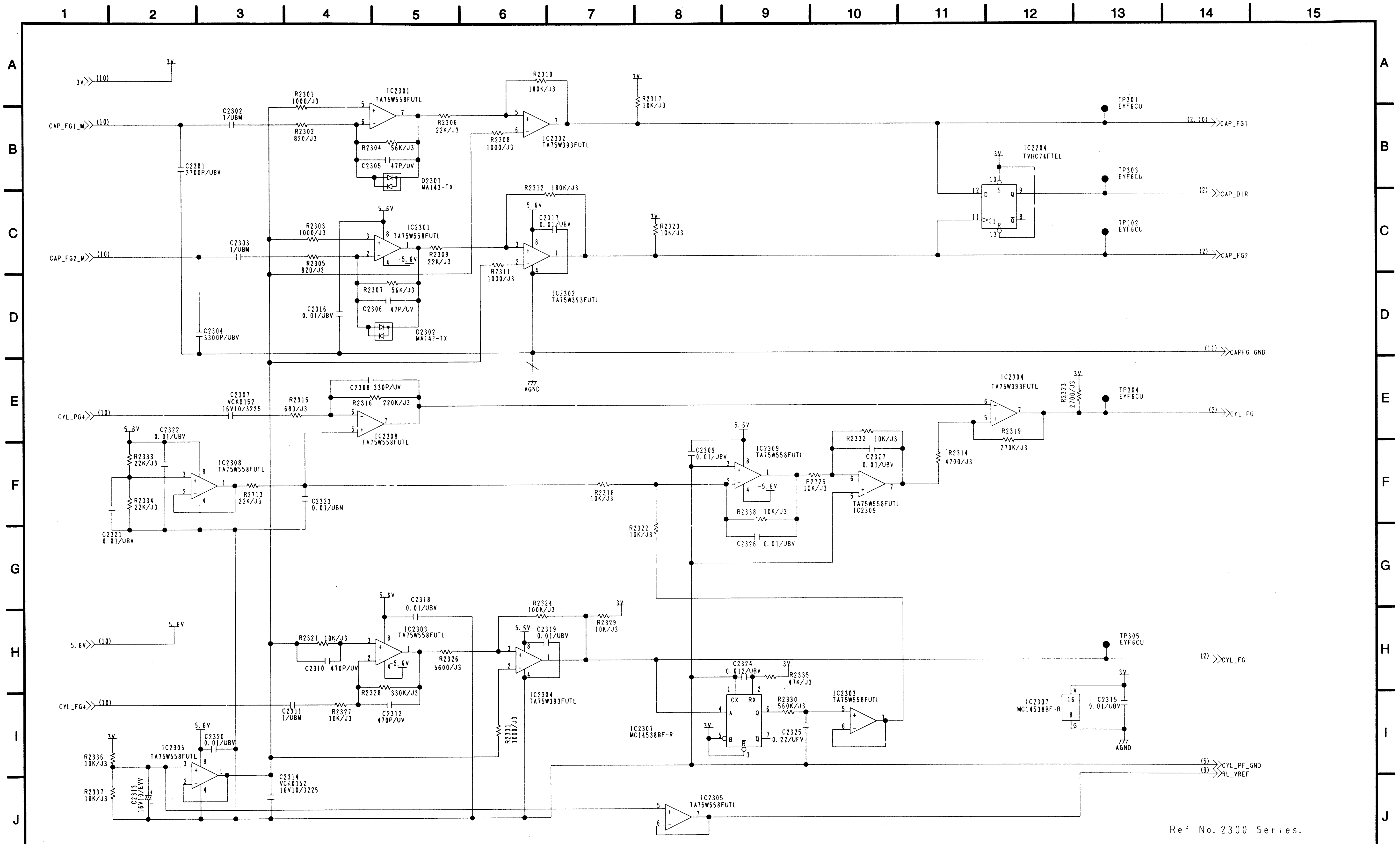

RTV_SPD (2)
VREF_IN (2)
3V (10)
ENV_L (10)
ENV_R (10)
TENSION (9)
FRP_SYS (10)
SYS_SRV_DATA (10)
SYS_SRV_CLK (10)
C_TXD (2)
DGND (10)
T_START (10)
T_END (10)
Q_STRT1 (2)
CAP_FG1 (3)
S_REEL_FG (8)
T_REEL_FG (8)
TAPE_REV_H (2)
S_REEL_FWD_L (8)
T_REEL_FWD_L (8)
SHORT_DET (4)
Q_STRT2 (2)
RP_HSW_L (2)
THIN_TAPE_L (11)
R2118 1000/J3
R2119 1000/J3
R2120 1000/J3
R2121 100/J3
R2114 100/J3
L2101 VLQ0319K100
C2101 1/UBM
DGND
R2112 47K/J3
C2118 PAT/UBV
R2113 47K/J3
R2124 100/J3
L2102 VLQ0319K101
C2114 16V10/EVV
C2103 0.01/UBV
D3VAD
R2116 1000/J3
R2117 1000/J3
R2132 1000/J3
D2101 MA141WK-TX
CP2161
CP2162
CP2163
CP2164
R2126 47K/J3
R2133 1000/J3
IC2101 M37774E5LGP
PBCTLMON
P77 P76 P75 P74 P73 P72 P71 P70 P67 P66 P65 P64 P63 P62 P61 P60 P57 P56 P55 P54 P53 P52 P51 P50 VCC P47 P46 P45 P44
P81 P82 P83 P84 P85 P86 P87 CSYNCIN P90 P91 P92 P93 P94 P95 P96 P97 P100 P101 VREF VCC
AMPVSS CTLVSS CTL- CTL+ CTL+SWOUT CTLAMPIN AMPC CTLAMPOUT CLAMPR CLAMPF AMPVREFIN AMPVREFOUT CPFGIN DRFGIN DRPGIN AMPVCC P00 P01 P02 P03 P04 P05 P06 P07 P10 P11 P12 P13 P14 P15
P43 P42 P41 P40 NUB NUA RESET XIN XOUT CLKSEL VSS P141 P140 P33 P32 P31 P30 P21 P20 P17 P16
C2107 0.01/UBV
C2111 0.01/UBV
DGND
IC2103 S80730ANDTT1
VSS VDD OUT
R2110 470/J3
C2113 50VR33/EVV
DGND
R2111 10K/J3
C2115 0.01/UBV
C2108 0.01/UBV
C2112 0.01/UBV
C2109 18P/UV
X2101 VSX0821
C2110 18P/UV
R2106 1M/J3
R2107 100/J3
R2108 330/J3
IC2102 TC7SHU04FUTL
IC2106 TC7SHU04FUTL
R2127 0/J3
DGND
R2137 3300/J3
R2125 1000/J3
R2136 1000/J3
CP2158 (4) T_REEL_ERR
CP2159 (4) S_REEL_ERR
R2122 100/J3 (10) SRV_SYS_DATA
IC2909 TC7W125FUTL
R2130 100/J3 (10) SRV_SBC_CLK
R2131 100/J3 (10) SRV_SBC_DATA
R2123 100/J3 (2) R_TXD
R2115 100/J3 (2) (10) R_C_CLK
R2109 120K/J3
C2116 0.033/UBN
IC2908 TA75W01FUTL
IC2104 TC4W53FUTL
R2128 1000/J3 (10) RTV_SPD_L
R2129 1000/J3 (10) RTV_SPD_R
C2117 0.01/UBV
DGND
IO[0] IO[1] IO[2] IO[3] IO[4] IO[5] IO[6] IO[7]
CP2150 CP2151 CP2152 CP2153 CP2154 CP2155 CP2156 CP2157
TPG201 EYF6CU
GND
R2134 1000/J3 (2) ENV_DET_L
R2135 1000/J3 (2) ENV_DET_R
(2) (8) (10) RESET
(2) SV_CLK
(4) TRL_ON_H
(4) TRL_FWD_H
(4) SRL_ON_H
(4) SRL_FWD_H
(8) 8MHz_CLK
(8) NT_PAL
Ref No. 2100 Series.
*PAT=PATTERN ONLY

COMPONENT NAME	SERVO(REEL SERVO MICON)	01/14
CIRCUIT BOARD NO.	MODEL NO.	
VEP82218A	AJ-D95DC	
	SCM014	


IC2201
M37774E5LGP
IC2208
TC7S86FTE85L
IC2203
TA75W01FUTL
IC2206
TA75W01FUTL
L2203
VLQ0319K100
VR2201
100K/VR5
R2201 2200/J3
R2202 2200/J3
R2231 100/J3
R2243 100/J3
R2242 1000/J3
R2227 56K/J3
C2232 5600P/UBV
C2225 5600P/UBV
C2221 0.033/UBV
R2226 120K/J3
R2240 100/J3
R2241 100/J3
R2203 10K/RE7
R2204 10K/RE7
C2212 16V10/EVV
C2222 0.01/UBV
R2209 56K/J3
R2210 56K/J3
R2244 PA1/J3
R2211 56K/J3
R2212 56K/J3
C2213 5600P/UBV
C2214 5600P/UBV
C2223 0.01/UBV
R2213 10K/J3
R2214 10K/J3
C2215 0.033/UBN
C2216 0.033/UBN
TP203 EYF6CU
TP204 EYF6CU
TP202 EYF6CU
TP205 EYF6CU
R2221 2200/J3
C2210 0.1/UBN
C2211 16V22/EVV
R2222 2200/J3
C2226 0.01/UBV
CP201
CP202
CP204
CP207
CP213
R2246 1000/J3
R2232 100/J3
R2233 100/J3
R2234 100/J3
R2235 100/J3
R2237 100/J3
R2238 100/J3
R2236 100/J3
R2245 100/J3
9V
ATF_R
ATF_L
TSR
R_TXD
R_C_CLK
SYS_SRV_DATA
SYS_SRV_CLK
CTL_PULSE
SPA
FEND
CAP_DIR
FRP_SYS
RESET
SV_CLK
FPS1
FPS0
TRP2
TRP1
TRP0
ENV_DET_L
ENV_DET_R
CYL_PG
CYL_FG
CAP_FG1
RSF
GCTL2
GCTL1
C_TXD
CAP_ERR
CYL_ERR
VREF_IN
DGND
VREF
SV_LOCK_DET
Q_STRT1
Q_STRT2
FRM_RS
CYLON
SLOW_H
TAPE_REV_H
RTV_SPD
LIN_H
STILL_H
50M_H
RP_HSW_L
RP_HSW_R
PB_HSW_L
PB_HSW_R
CTL_EDIT
TL
REC_CTL
FIL_ON_H
D3V
D3VAD
3V

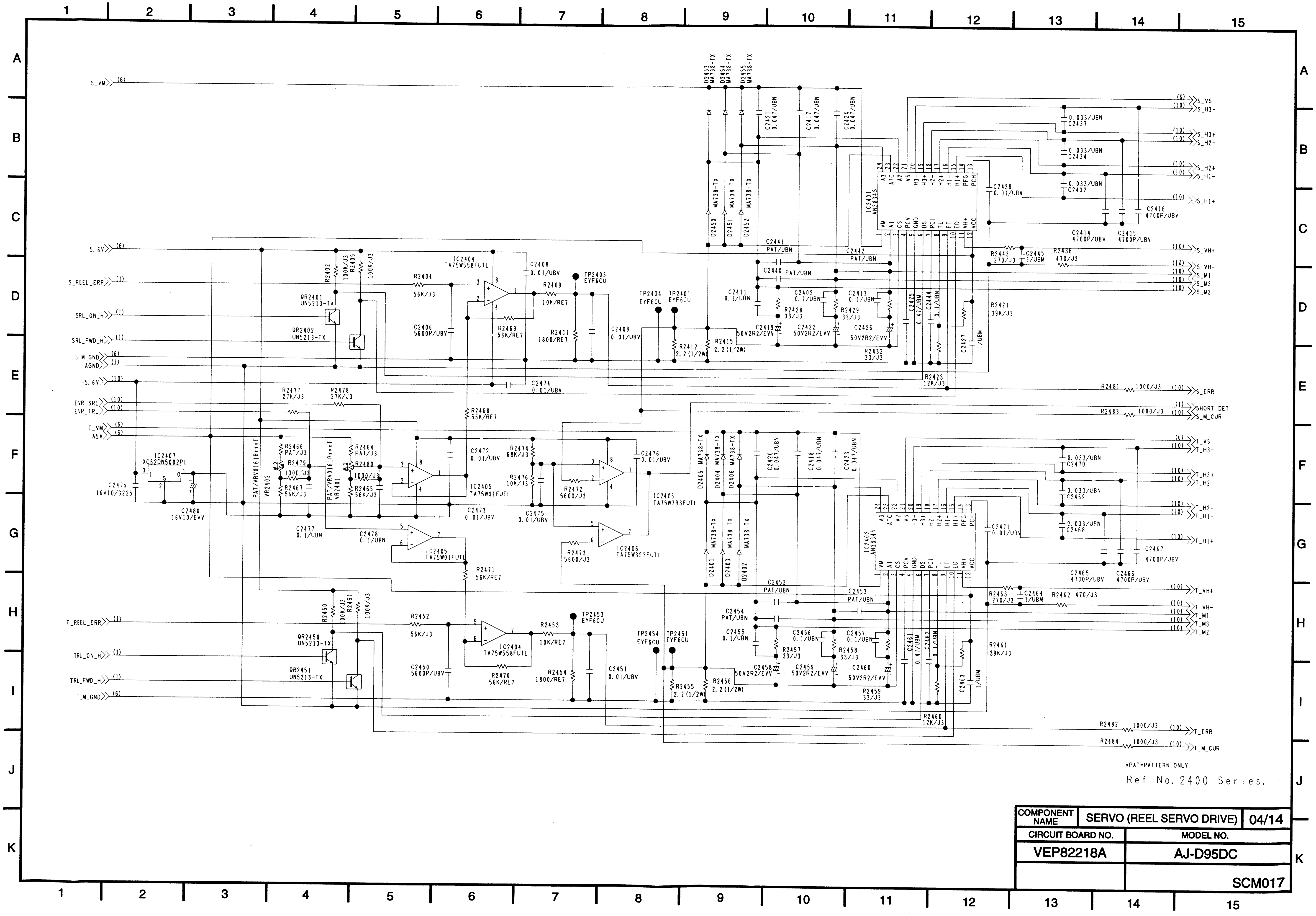
Ref No. 2200 Series.

COMPONENT NAME	SERVO (MICON-CYL CAP)	02/14
CIRCUIT BOARD NO.	MODEL NO.	
VEP82218A	AJ-D95DC	
	SCM015	


3V
3V>> (10)
CAP_FG1_M>> (10)
C2302 1/UBM
C2301 3300P/UBV
R2301 1000/J3
R2302 820/J3
IC2301 TA75W558FUTL
R2304 56K/J3
C2305 47P/UV
D2301 MA143-TX
R2306 22K/J3
R2310 180K/J3
R2308 1000/J3
IC2302 TA75W393FUTL
R2317 10K/J3
TP301 EYF6CU
(2,10) >>CAP_FG1
IC2204 TVHC74FTEL
TP303 EYF6CU
(2) >>CAP_DIR
TP302 EYF6CU
(2) >>CAP_FG2
CAP_FG2_M>> (10)
C2303 1/UBM
R2303 1000/J3
R2305 820/J3
5.6V
-5.6V
R2309 22K/J3
R2312 180K/J3
C2317 0.01/UBV
R2311 1000/J3
R2320 10K/J3
R2307 56K/J3
C2306 47P/UV
C2316 0.01/UBV
D2302 MA143-TX
C2304 3300P/UBV
(11) >>CAPFG GND
AGND
CYL_PG+>> (10)
C2307 VCK0152 16V10/3225
R2315 680/J3
C2308 330P/UV
R2316 220K/J3
IC2308 TA75W558FUTL
C2322 0.01/UBV
R2333 22K/J3
R2334 22K/J3
C2321 0.01/UBV
R2313 22K/J3
C2323 0.01/UBN
IC2304 TA75W393FUTL
R2323 2700/J3
TP304 EYF6CU
(2) >>CYL_PG
R2319 270K/J3
R2314 4700/J3
C2309 0.01/UBV
IC2309 TA75W558FUTL
R2332 10K/J3
C2327 0.01/UBV
R2325 10K/J3
R2318 10K/J3
R2322 10K/J3
R2338 10K/J3
C2326 0.01/UBV
5.6V>> (10)
C2318 0.01/UBV
IC2303 TA75W558FUTL
R2321 10K/J3
C2310 470P/UV
R2326 5600/J3
R2324 100K/J3
R2329 10K/J3
C2319 0.01/UBV
TP305 EYF6CU
(2) >>CYL_FG
CYL_FG+>> (10)
C2311 1/UBM
R2327 10K/J3
R2328 330K/J3
C2312 470P/UV
R2331 1000/J3
C2324 0.012/UBV
R2335 47K/J3
R2330 560K/J3
C2325 0.22/UFV
IC2307 MC14538BF-R
C2315 0.01/UBV
R2336 10K/J3
R2337 10K/J3
C2313 16V10/EVV
IC2305 TA75W558FUTL
C2320 0.01/UBV
C2314 VCK0152 16V10/3225
(5) >>CYL_PF_GND
(9) >>RL_VREF

Ref No. 2300 Series.

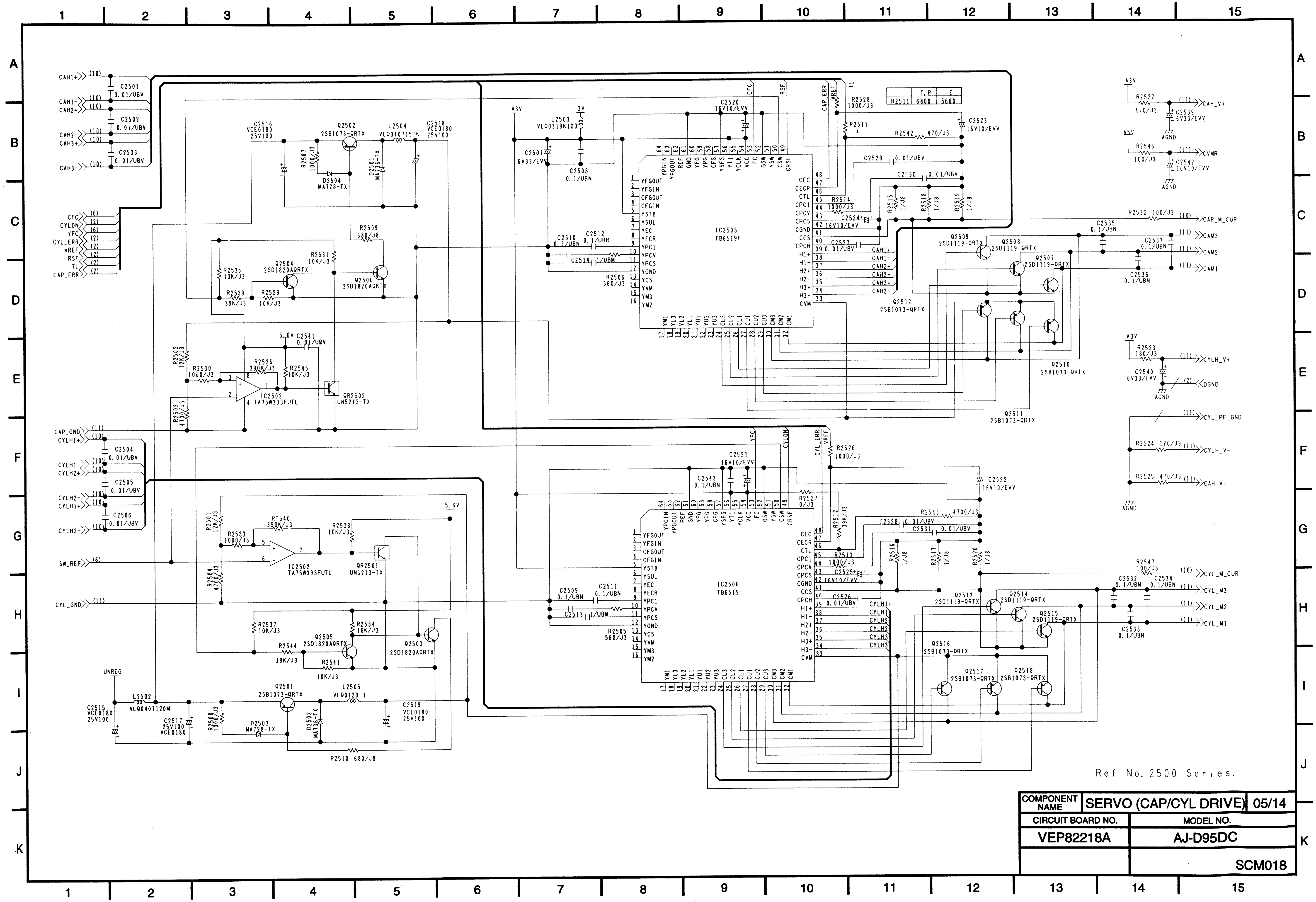
COMPONENT NAME	SERVO (CAP & CYL FG AMP)	03/14
CIRCUIT BOARD NO.	MODEL NO.	
VEP82218A	AJ-D95DC	
	SCM016	


S_VM (6)
5.6V (6)
S_REEL_ERR (1)
SRL_ON_H (1)
SRL_FWD_H (1)
S_M_GND (6)
AGND (1)
-5.6V (10)
EVR_SRL (10)
EVR_TRL (10)
T_VM (6)
A5V (6)
T_REEL_ERR (1)
TRL_ON_H (1)
TRL_FWD_H (1)
T_M_GND (6)
D2453 MA738-TX
D2454 MA738-TX
D2455 MA738-TX
D2450 MA738-TX
D2451 MA738-TX
D2452 MA738-TX
C2421 0.047/UBN
C2417 0.047/UBN
C2424 0.047/UBN
IC2401 AN3834S
VM A1 CS PCV GND DS PCI TL ED ET VH+ VCC
A3 ATC A2 VS H3- H3+ H2- H2+ H1- H1+ PFG PCH
C2437 0.033/UBN
C2434 0.033/UBN
C2432 0.033/UBN
C2438 0.01/UBV
C2416 4700P/UBV
C2414 4700P/UBV
C2415 4700P/UBV
(6) S_VS
(10) S_H3-
(10) S_H3+
(10) S_H2-
(10) S_H2+
(10) S_H1-
(10) S_H1+
(10) S_VH+
(10) S_VH-
(10) S_M1
(10) S_M3
(10) S_M2
R2443 270/J3
C2445 1/UBM
R2436 470/J3
C2441 PAT/UBN
C2442 PAT/UBN
C2440 PAT/UBN
C2411 0.1/UBN
C2402 0.1/UBN
C2413 0.1/UBN
R2428 33/J3
R2429 33/J3
C2419 50V2R2/EVV
C2422 50V2R2/EVV
C2426 50V2R2/EVV
R2432 33/J3
C2425 0.47/UBM
C2444 0.1/UBN
C2427 1/UBM
R2421 39K/J3
R2423 12K/J3
R2481 1000/J3 (10) S_ERR
R2483 1000/J3 (1) SHORT_DET (10) S_M_CUR
IC2404 TA75W558FUTL
C2408 0.01/UBV
TP2403 EYF6CU
R2402 100K/J3
R2405 100K/J3
R2404 56K/J3
R2409 10K/RE7
QR2401 UN5213-TX
QR2402 UN5213-TX
C2406 5600P/UBV
R2469 56K/RE7
R2411 1800/RE7
C2409 0.01/UBV
TP2404 EYF6CU
TP2401 EYF6CU
R2412 2.2(1/2W)
R2415 2.2(1/2W)
C2474 0.01/UBV
R2477 27K/J3
R2478 27K/J3
R2468 56K/RE7
R2466 PAT/J3
R2464 PAT/J3
R2479 1000/J3
R2480 1000/J3
R2467 56K/J3
R2465 56K/J3
PAT/VRV0161B***T VR2402
PAT/VRV0161R***T VR2401
IC2407 XC62DN5002PL
C2479 16V10/3225
C2480 16V10/EVV
C2472 0.01/UBV
IC2405 TA75W01FUTL
C2473 0.01/UBV
C2477 0.1/UBN
C2478 0.1/UBN
R2474 68K/J3
R2476 10K/J3
C2475 0.01/UBV
R2472 5600/J3
C2476 0.01/UBV
IC2406 TA75W393FUTL
R2473 5600/J3
R2471 56K/RE7
D2405 MA738-TX
D2404 MA738-TX
D2406 MA738-TX
D2401 MA738-TX
D2403 MA738-TX
D2402 MA738-TX
C2420 0.047/UBN
C2418 0.047/UBN
C2423 0.047/UBN
IC2402 AN3834S
C2470 0.033/UBN
C2469 0.033/UBN
C2468 0.033/UBN
C2471 0.01/UBV
C2467 4700P/UBV
C2465 4700P/UBV
C2466 4700P/UBV
(6) T_VS
(10) T_H3-
(10) T_H3+
(10) T_H2-
(10) T_H2+
(10) T_H1-
(10) T_H1+
(10) T_VH+
(10) T_VH-
(10) T_M1
(10) T_M3
(10) T_M2
R2463 270/J3
C2464 1/UBM
R2462 470/J3
C2452 PAT/UBN
C2453 PAT/UBN
C2454 PAT/UBN
C2455 0.1/UBN
C2456 0.1/UBN
C2457 0.1/UBN
R2457 33/J3
R2458 33/J3
C2458 50V2R2/EVV
C2459 50V2R2/EVV
C2460 50V2R2/EVV
R2459 33/J3
C2461 0.47/UBM
C2462 0.1/UBN
C2463 1/UBM
R2461 39K/J3
R2460 12K/J3
R2482 1000/J3 (10) T_ERR
R2484 1000/J3 (10) T_M_CUR
R2450 100K/J3
R2451 100K/J3
QR2450 UN5213-TX
QR2451 UN5213-TX
R2452 56K/J3
C2450 5600P/UBV
IC2404 TA75W558FUTL
R2470 56K/RE7
R2453 10K/RE7
TP2453 EYF6CU
R2454 1800/RE7
C2451 0.01/UBV
TP2454 EYF6CU
TP2451 EYF6CU
R2455 2.2(1/2W)
R2456 2.2(1/2W)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

*PAT=PATTERN ONLY

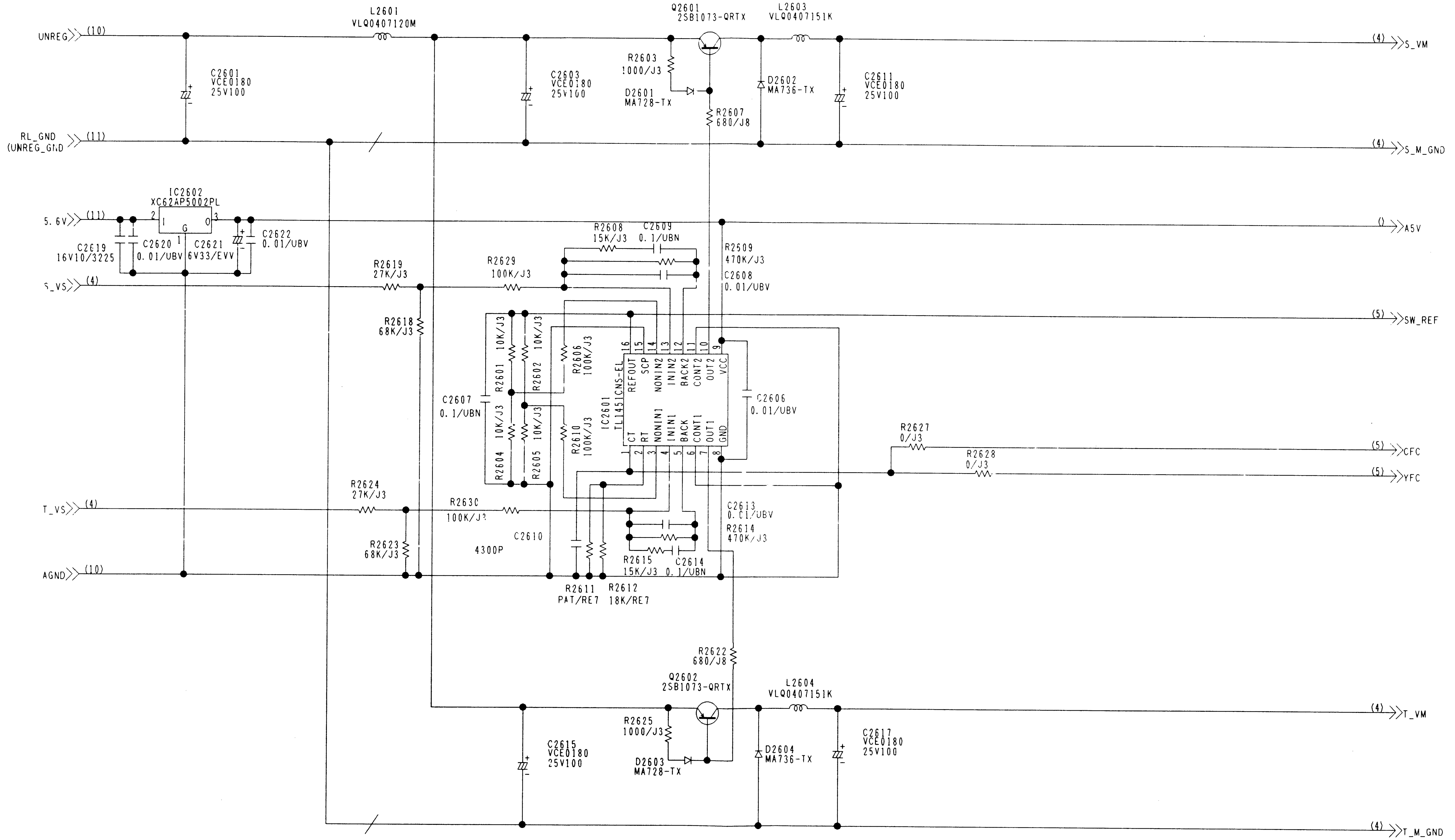
Ref No. 2400 Series.

COMPONENT NAME	SERVO (REEL SERVO DRIVE)	04/14
CIRCUIT BOARD NO.	MODEL NO.	
VEP82218A	AJ-D95DC	
	SCM017	


CAH1+ (10)
C2501 0.01/UBV
CAH1- (10)
CAH2+ (10)
C2502 0.01/UBV
CAH2- (10)
CAH3+ (10)
C2503 0.01/UBV
CAH3- (10)
CFC (6)
CYLON (2)
YFC (6)
CYL_ERR (2)
VREF (2)
RSF (2)
TL (2)
CAP_ERR (2)
C2516 VCE0180 25V100
Q2502 2SB1073-QRTX
L2504 VLQ0407151K
C2518 VCE0180 25V100
R2507 1000/J3
D2504 MA728-TX
D2501 MA736-TX
R2509 680/J8
R2531 10K/J3
Q2504 2SD1820AQRTX
Q2506 2SD1820AQRTX
R2535 10K/J3
R2539 39K/J3
R2529 10K/J3
5.6V
C2541 0.01/UBV
R2502 12K/J3
R2530 1000/J3
R2536 390K/J3
R2545 10K/J3
IC2502 TA75W393FUTL
QR2502 UN5213-TX
R2503 4700/J3
CAP_GND (11)
CYLH1+ (10)
C2504 0.01/UBV
CYLH1- (10)
CYLH2+ (10)
C2505 0.01/UBV
CYLH2- (10)
CYLH3+ (10)
C2506 0.01/UBV
CYLH3- (10)
SW_REF (6)
CYL_GND (11)
R2501 12K/J3
R2533 1000/J3
R2540 390K/J3
R2538 10K/J3
IC2502 TA75W393FUTL
QR2501 UN5213-TX
R2504 4700/J3
R2537 10K/J3
R2534 10K/J3
Q2505 2SD1820AQRTX
Q2503 2SD1820AQRTX
R2544 39K/J3
R2541 10K/J3
UNREG
L2502 VLQ0407120M
C2515 VCE0180 25V100
C2517 25V100 VCE0180
R2508 1000/J3
Q2501 2SB1073-QRTX
D2503 MA728-TX
D2502 MA736-TX
L2505 VLQ0129-1
C2519 VCE0180 25V100
R2510 680/J8
A3V
3V
L2503 VLQ0319K100
C2507 6V33/EVV
C2508 0.1/UBN
C2520 16V10/EVV
CFC
RSF
CAP_ERR
VREF
TL
R2528 1000/J3
R2511 T.P 6800 E 5600
R2511
C2523 16V10/EVV
R2542 470/J3
C2529 0.01/UBV
C2530 0.01/UBV
R2514 1000/J3
R2515 1/J8
R2518 1/J8
R2519 1/J8
C2524
16V10/EVV
C2527 0.01/UBV
IC2503 TB6519F
C2510 0.1/UBN
C2512 0.1/UBN
C2514 1/UBM
R2506 560/J3
CAH1+ CAH1- CAH2+ CAH2- CAH3+ CAH3-
Q2509 2SD1119-QRTX
Q2508 2SD1119-QRTX
Q2507 2SD1119-QRTX
Q2512 2SB1073-QRTX
Q2510 2SB1073-QRTX
Q2511 2SB1073-QRTX
R2532 100/J3
CAP_M_CUR (10)
C2535 0.1/UBN
C2537 0.1/UBN
C2536 0.1/UBN
CAM3 (11)
CAM2 (11)
CAM1 (11)
A3V
R2522 470/J3
C2539 6V33/EVV
CAH_V+ (11)
AGND
A5V
R2546 100/J3
C2542 16V10/EVV
CVMR (11)
A3V
R2523 180/J3
CYLH_V+ (11)
C2540 6V33/EVV
DGND (2)
CYL_PF_GND (11)
R2524 180/J3
CYLH_V- (11)
R2525 470/J3
CAH_V- (11)
YFC
CYLON
CYL_ERR
VREF
R2526 1000/J3
C2521 16V10/EVV
C2543 0.1/UBN
C2522 16V10/EVV
R2527 0/J3
R2512 39K/J3
R2543 4700/J3
C2528 0.01/UBV
C2531 0.01/UBV
R2513 1000/J3
C2525
16V10/EVV
C2526 0.01/UBV
R2516 1/J8
R2517 1/J8
R2520 1/J8
IC2506 TB6519F
C2509 0.1/UBN
C2511 0.1/UBN
C2513 1/UBM
R2505 560/J3
CYLH1+ CYLH1- CYLH2+ CYLH2- CYLH3+ CYLH3-
Q2513 2SD1119-QRTX
Q2514 2SD1119-QRTX
Q2515 2SD1119-QRTX
Q2516 2SB1073-QRTX
Q2517 2SB1073-QRTX
Q2518 2SB1073-QRTX
R2547 100/J3
CYL_M_CUR (10)
C2532 0.1/UBN
C2534 0.1/UBN
C2533 0.1/UBN
CYL_M3 (11)
CYL_M2 (11)
CYL_M1 (11)
YFGOUT YFGIN CFGOUT CFGIN YSTB YSUL YEC YECR YPC1 YPCV YPCS YGND YCS YVM YM3 YM2
CEC CECR CTL CPC1 CPCV CPCS CGND CCS CPCH H1+ H1- H2+ H2- H3+ H3- CVM
YPGIN YPGOUT REF GND YFG YPG CFG YSFS YT1 YCLK VCC FC GSW YSW CSW CRSF
YM1 YL3 YL2 YL1 YU1 YU2 YU3 CL3 CL2 CL1 CU1 CU2 CU3 CM3 CM2 CM1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

Ref No. 2500 Series.

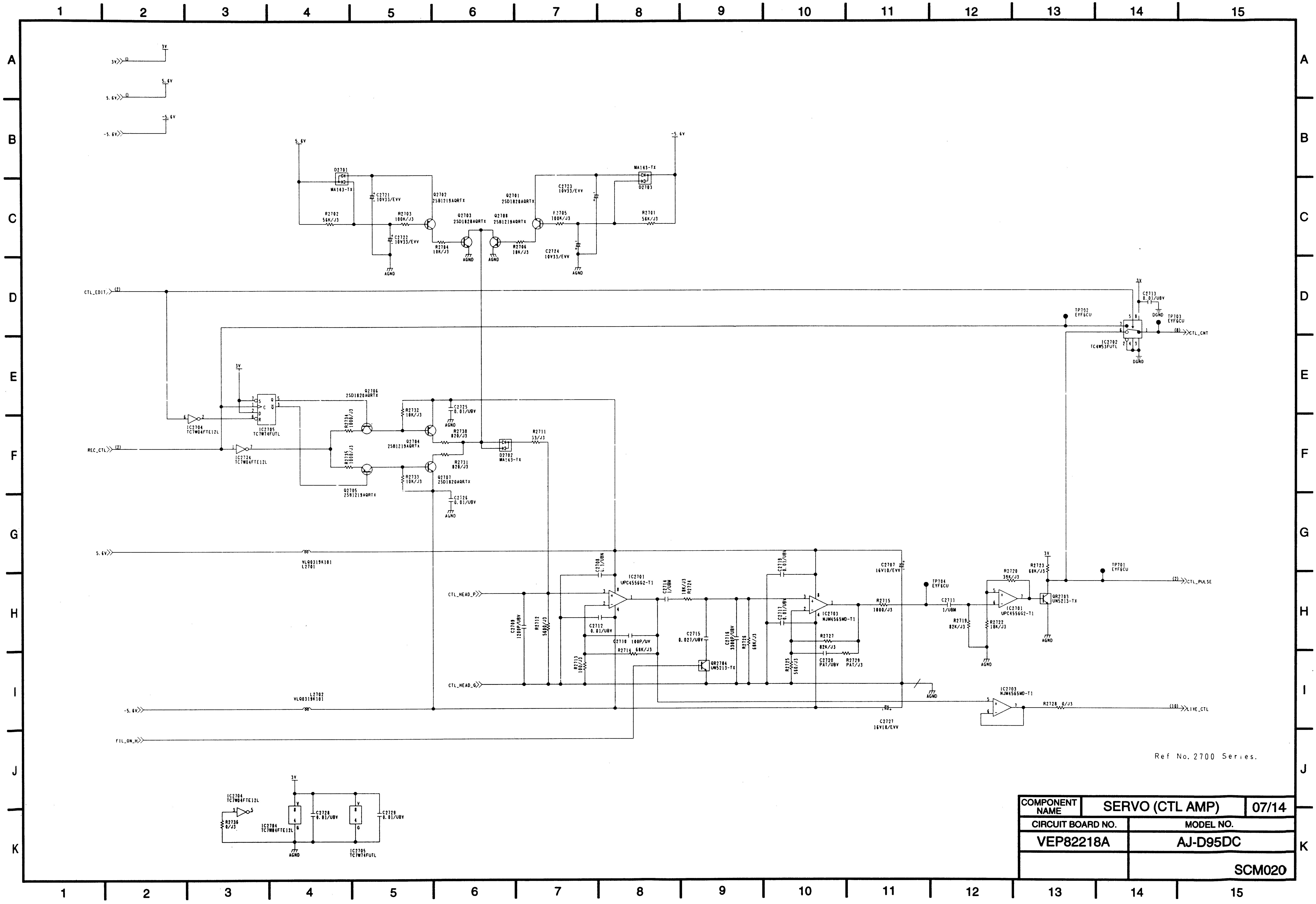
COMPONENT NAME	SERVO (CAP/CYL DRIVE)	05/14
CIRCUIT BOARD NO.	MODEL NO.	
VEP82218A	AJ-D95DC	
	SCM018	


UNREG (10)
RL_GND (UNREG_GND) (11)
5.6V (11)
S_VS (4)
T_VS (4)
AGND (10)
L2601 VLQ0407120M
Q2601 2SB1073-QRTX
L2603 VLQ0407151K
C2601 VCE0180 25V100
C2603 VCE0180 25V100
R2603 1000/J3
D2601 MA728-TX
R2607 680/J8
D2602 MA736-TX
C2611 VCE0180 25V100
(4) S_VM
(4) S_M_GND
IC2602 XC62AP5002PL
C2619 16V10/3225
C2620 0.01/UBV
C2621 6V33/EVV
C2622 0.01/UBV
() A5V
R2608 15K/J3
C2609 0.1/UBN
R2509 470K/J3
C2608 0.01/UBV
R2619 27K/J3
R2629 100K/J3
R2618 68K/J3
(5) SW_REF
R2601 10K/J3
R2602 10K/J3
R2606 100K/J3
IC2601 TL1451CNS-EL
REFOUT SCP NONIN2 ININ2 BACK2 CONT2 OUT2 VCC
CT RT NONIN1 ININ1 BACK CONT1 OUT1 GND
C2607 0.1/UBN
C2606 0.01/UBV
R2604 10K/J3
R2605 10K/J3
R2610 100K/J3
R2627 0/J3
R2628 0/J3
(5) CFC
(5) YFC
R2624 27K/J3
R2630 100K/J3
C2610 4300P
R2623 68K/J3
C2613 0.01/UBV
R2614 470K/J3
R2615 15K/J3
C2614 0.1/UBN
R2611 PAT/RE7
R2612 18K/RE7
R2622 680/J8
Q2602 2SB1073-QRTX
L2604 VLQ0407151K
R2625 1000/J3
C2615 VCE0180 25V100
D2603 MA728-TX
D2604 MA736-TX
C2617 VCE0180 25V100
(4) T_VM
(4) T_M_GND

*PAT=PATTERN ONLY

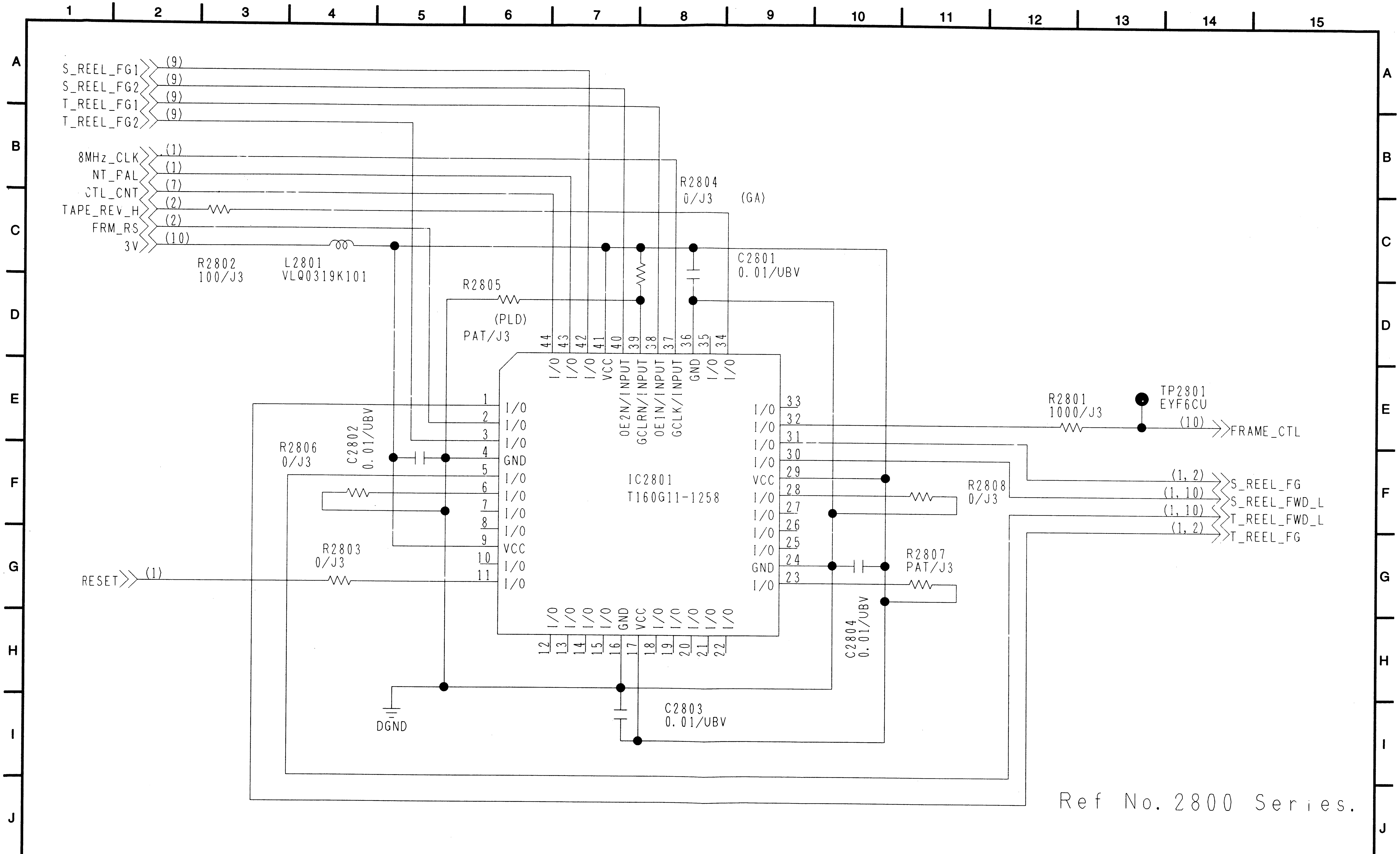
Ref No. 2500 Series.

COMPONENT NAME	SERVO (REEL SERVO SW POWER)	06/14
CIRCUIT BOARD NO.	MODEL NO.	
VEP82218A	AJ-D95DC	
	SCM019	

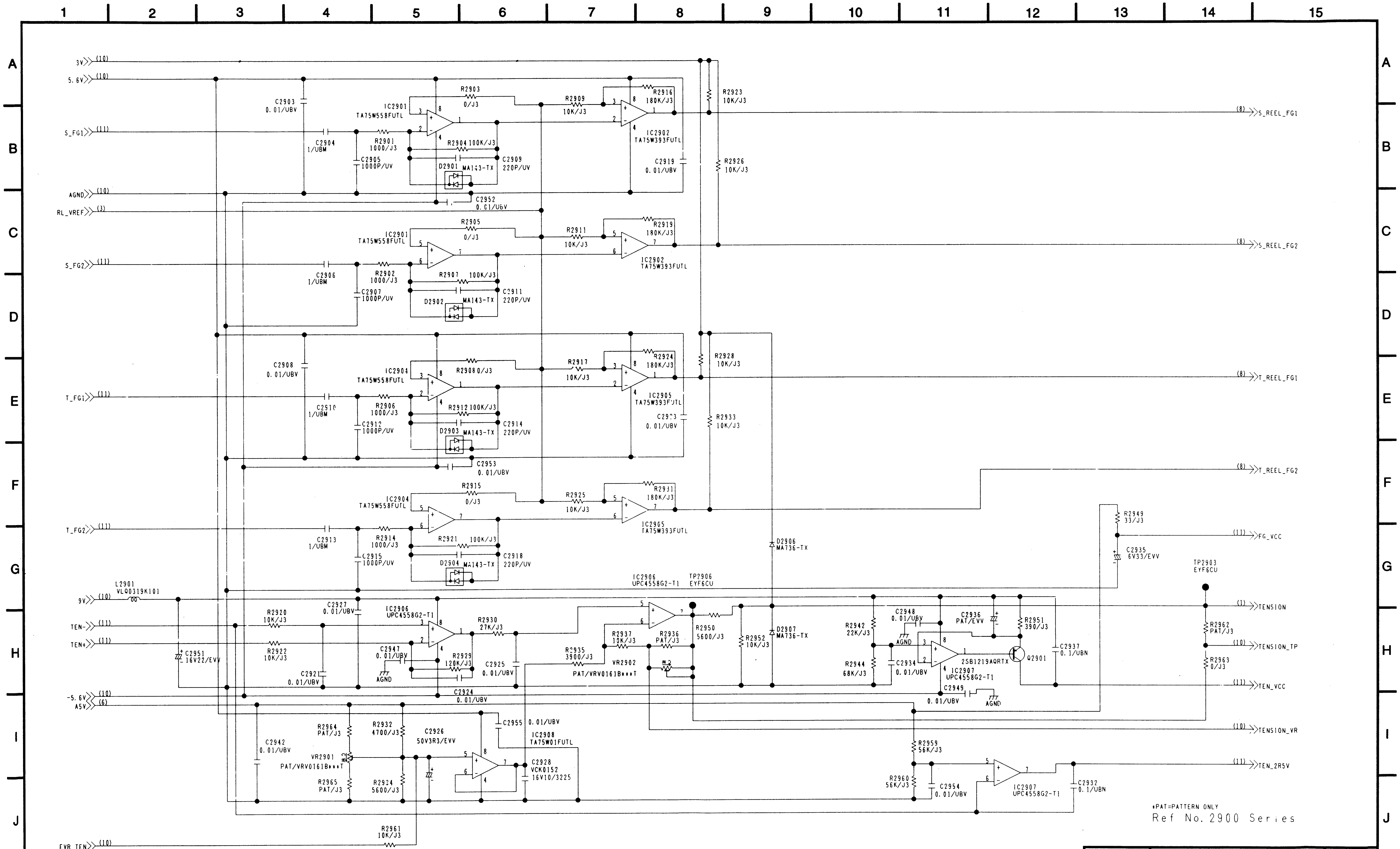

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
H
I
J
K
3V
5.6V
-5.6V
D2701
MA143-TX
C2721
10V33/EVV
C2722
10V33/EVV
R2702
56K/J3
R2703
100K/J3
Q2702
2SB1219AQRTX
R2704
10K/J3
Q2703
2SD1820AQRTX
Q2708
2SB1219AQRTX
R2706
10K/J3
Q2701
2SD1820AQRTX
F2705
100K/J3
C2723
10V33/EVV
C2724
10V33/EVV
R2701
56K/J3
D2703
AGND
CTL_EDIT
(2)
REC_CTL
IC2704
TC7W04FTE12L
IC2734
TC7W04FTE12L
IC2705
TC7W74FUTL
S
C
D
R
Q
Q̄
Q2706
2SD1820AQRTX
R2734
1000/J3
R2735
1000/J3
Q2705
2SB1219AQRTX
R2732
10K/J3
R2733
10K/J3
Q2704
2SB1219AQRTX
Q2707
2SD1820AQRTX
C2725
0.01/UBV
C2726
0.01/UBV
R2730
820/J3
R2731
820/J3
D2702
MA143-TX
R2711
33/J3
TP702
EYF6CU
TP703
EYF6CU
C2713
0.01/UBV
DGND
IC2702
TC4W53FUTL
(8)
CTL_CNT
VLQ0319K101
L2701
CTL_HEAD_P
CTL_HEAD_G
C2709
1200P/UBV
R2712
5600/J3
C2708
0.1/UBN
IC2701
UPC4556G2-T1
C2712
0.01/UBV
C2710
100P/UV
R2714
68K/J3
R2713
100/J3
C2714
1/UBM
R2724
10K/J3
C2715
0.027/UBV
QR2704
UN5213-TX
C2716
3300P/UBV
R2726
68K/J3
C2719
0.01/UBV
C2717
0.01/UBV
IC2703
NJM4565MD-T1
R2725
560/J3
R2727
82K/J3
C2720
PAT/UBV
R2729
PAT/J3
C2707
16V10/EVV
C2727
16V10/EVV
R2715
1000/J3
TP704
EYF6CU
C2711
1/UBM
R2719
82K/J3
R2720
39K/J3
R2722
18K/J3
R2723
68K/J3
QR2703
UN5213-TX
TP701
EYF6CU
CTL_PULSE
R2728
0/J3
(10)
LIVE_CTL
L2702
VLQ0319K101
FIL_ON_H
R2736
0/J3
C2728
0.01/UBV
C2729
0.01/UBV
V
G

Ref No. 2700 Series.

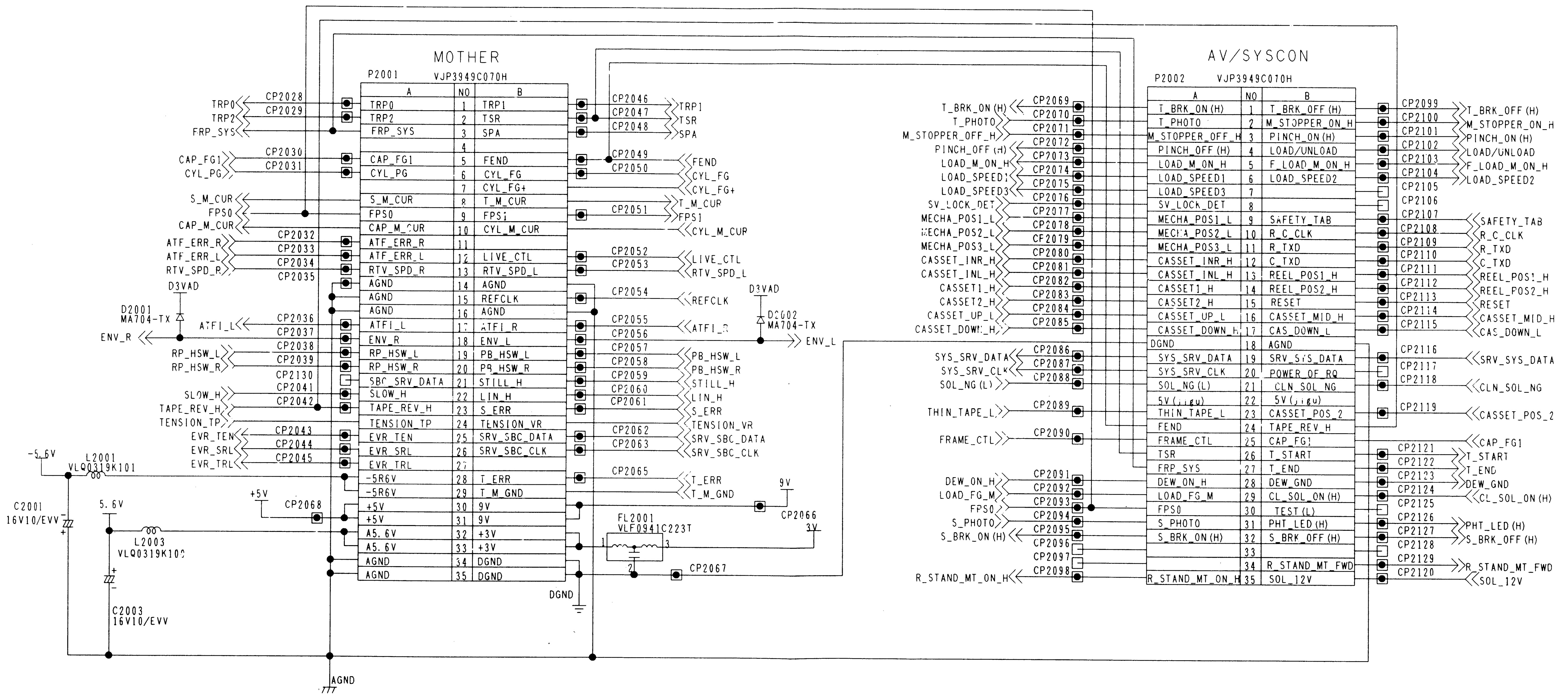
COMPONENT NAME	SERVO (CTL AMP)	07/14
CIRCUIT BOARD NO.	MODEL NO.	
VEP82218A	AJ-D95DC	
	SCM020	


S_REEL_FG1 (9)
S_REEL_FG2 (9)
T_REEL_FG1 (9)
T_REEL_FG2 (9)
8MHz_CLK (1)
NT_PAL (1)
CTL_CNT (7)
TAPE_REV_H (2)
FRM_RS (2)
3V (10)
R2802
100/J3
L2801
VLQ0319K101
R2804
0/J3
(GA)
C2801
0.01/UBV
R2805
(PLD)
PAT/J3
44 43 42 41 40 39 38 37 36 35 34
I/O I/O I/O VCC OE2N/INPUT GCLRN/INPUT OE1N/INPUT GCLK/INPUT GND I/O I/O
1 I/O
2 I/O
3 I/O
4 GND
5 I/O
6 I/O
7 I/O
8 I/O
9 VCC
10 I/O
11 I/O
R2806
0/J3
C2802
0.01/UBV
R2803
0/J3
RESET (1)
IC2801
T160G11-1258
33 I/O
32 I/O
31 I/O
30 I/O
29 VCC
28 I/O
27 I/O
26 I/O
25 I/O
24 GND
23 I/O
I/O I/O I/O I/O GND VCC I/O I/O I/O I/O I/O
12 13 14 15 16 17 18 19 20 21 22
R2801
1000/J3
TP2801
EYF6CU
(10) FRAME_CTL
R2808
0/J3
(1, 2) S_REEL_FG
(1, 10) S_REEL_FWD_L
(1, 10) T_REEL_FWD_L
(1, 2) T_REEL_FG
R2807
PAT/J3
C2804
0.01/UBV
DGND
C2803
0.01/UBV
Ref No. 2800 Series.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

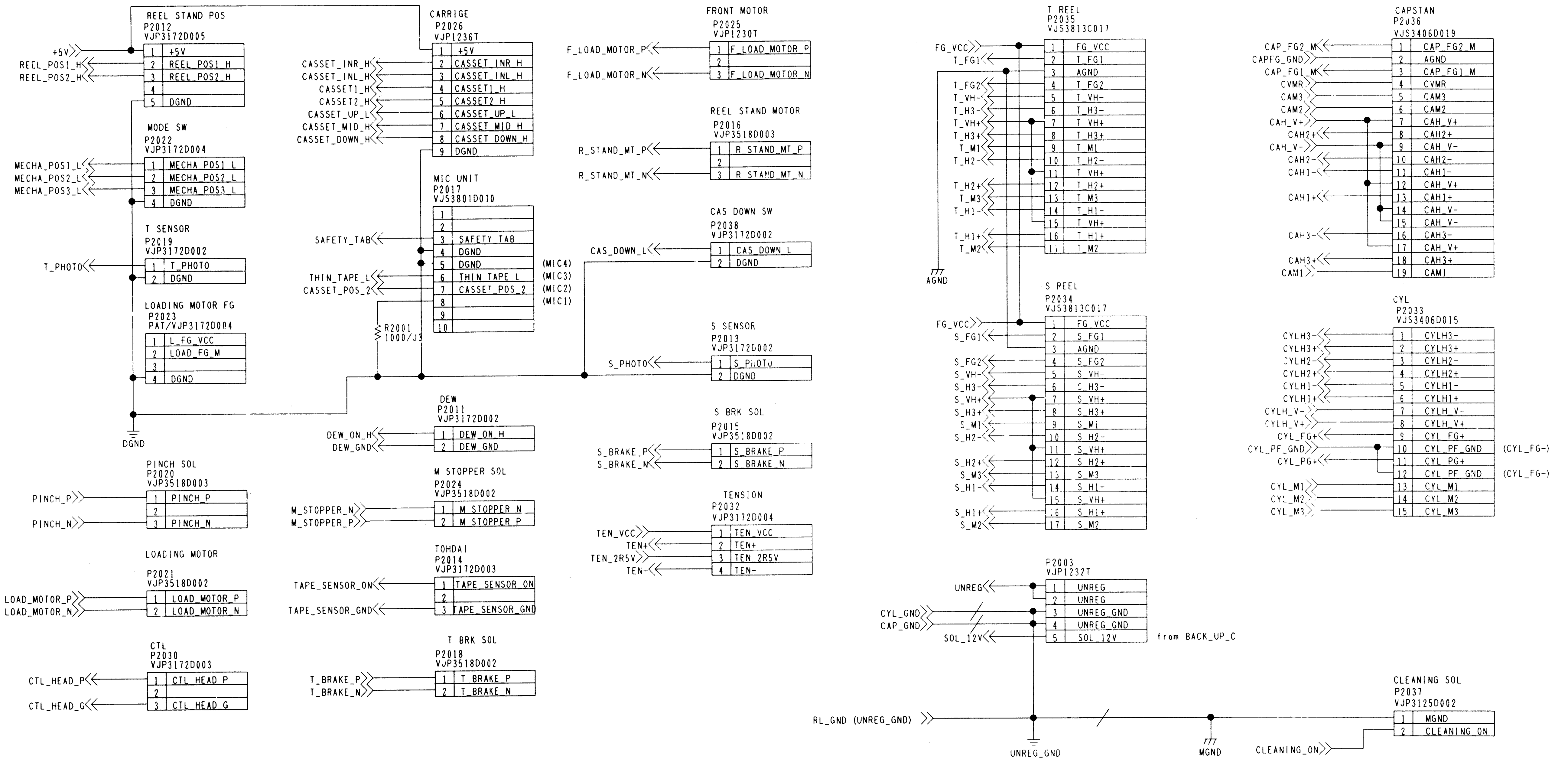
COMPONENT NAME	SERVO (FRAME CTL)	08/14
CIRCUIT BOARD NO.	MODEL NO.	
VEP82218A	AJ-D95DC	
	SCM021	


3V
5.6V
S_FG1
AGND
RL_VREF
S_FG2
T_FG1
T_FG2
9V
TEN-
TEN+
-5.6V
A5V
EVR_TEN
L2901 VLQ0319K101
C2903 0.01/UBV
C2904 1/UBM
R2901 1000/J3
C2905 1000P/UV
IC2901 TA75W558FUTL
R2903 0/J3
R2904 100K/J3
C2909 220P/UV
D2901 MA143-TX
C2952 0.01/UBV
R2909 10K/J3
R2916 180K/J3
IC2902 TA75W393FUTL
C2919 0.01/UBV
R2923 10K/J3
R2926 10K/J3
S_REEL_FG1
R2905 0/J3
C2906 1/UBM
R2902 1000/J3
C2907 1000P/UV
R2907 100K/J3
C2911 220P/UV
D2902 MA143-TX
R2911 10K/J3
R2919 180K/J3
S_REEL_FG2
C2908 0.01/UBV
IC2904 TA75W558FUTL
R2908 0/J3
C2510 1/UBM
R2906 1000/J3
C2912 1000P/UV
R2912 100K/J3
C2914 220P/UV
D2903 MA143-TX
C2953 0.01/UBV
R2917 10K/J3
R2924 180K/J3
IC2905 TA75W393FUTL
C2923 0.01/UBV
R2928 10K/J3
R2933 10K/J3
T_REEL_FG1
T_REEL_FG2
R2915 0/J3
C2913 1/UBM
R2914 1000/J3
C2915 1000P/UV
R2921 100K/J3
C2918 220P/UV
D2904 MA143-TX
R2925 10K/J3
R2931 180K/J3
D2906 MA736-TX
R2949 33/J3
C2935 6V33/EVV
FG_VCC
TP2903 EYF6CU
IC2906 UPC4558G2-T1
TP2906 EYF6CU
C2927 0.01/UBV
R2920 10K/J3
R2922 10K/J3
C2951 16V22/EVV
C2947 0.01/UBV
C2921 0.01/UBV
R2929 120K/J3
R2930 27K/J3
C2925 0.01/UBV
C2924 0.01/UBV
R2935 3900/J3
PAT/VRV0161B***T
R2937 10K/J3
VR2902
R2936 PAT/J3
R2950 5600/J3
R2952 10K/J3
D2907 MA736-TX
R2942 22K/J3
R2944 68K/J3
C2948 0.01/UBV
C2934 0.01/UBV
C2936 PAT/EVV
IC2907 UPC4558G2-T1
C2949 0.01/UBV
2SB1219AQRTX
Q2901
R2951 390/J3
C2937 0.1/UBN
R2962 PAT/J3
R2963 0/J3
TENSION
TENSION_TP
TEN_VCC
TENSION_VR
TEN_2R5V
AGND
C2942 0.01/UBV
R2964 PAT/J3
VR2901 PAT/VRV0161B***T
R2965 PAT/J3
R2932 4700/J3
R2934 5600/J3
C2926 50V3R3/EVV
C2955 0.01/UBV
IC2908 TA75W01FUTL
C2928 VCK0152 16V10/3225
R2961 10K/J3
R2959 56K/J3
R2960 56K/J3
C2954 0.01/UBV
C2932 0.1/UBN
*PAT=PATTERN ONLY
Ref No. 2900 Series
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

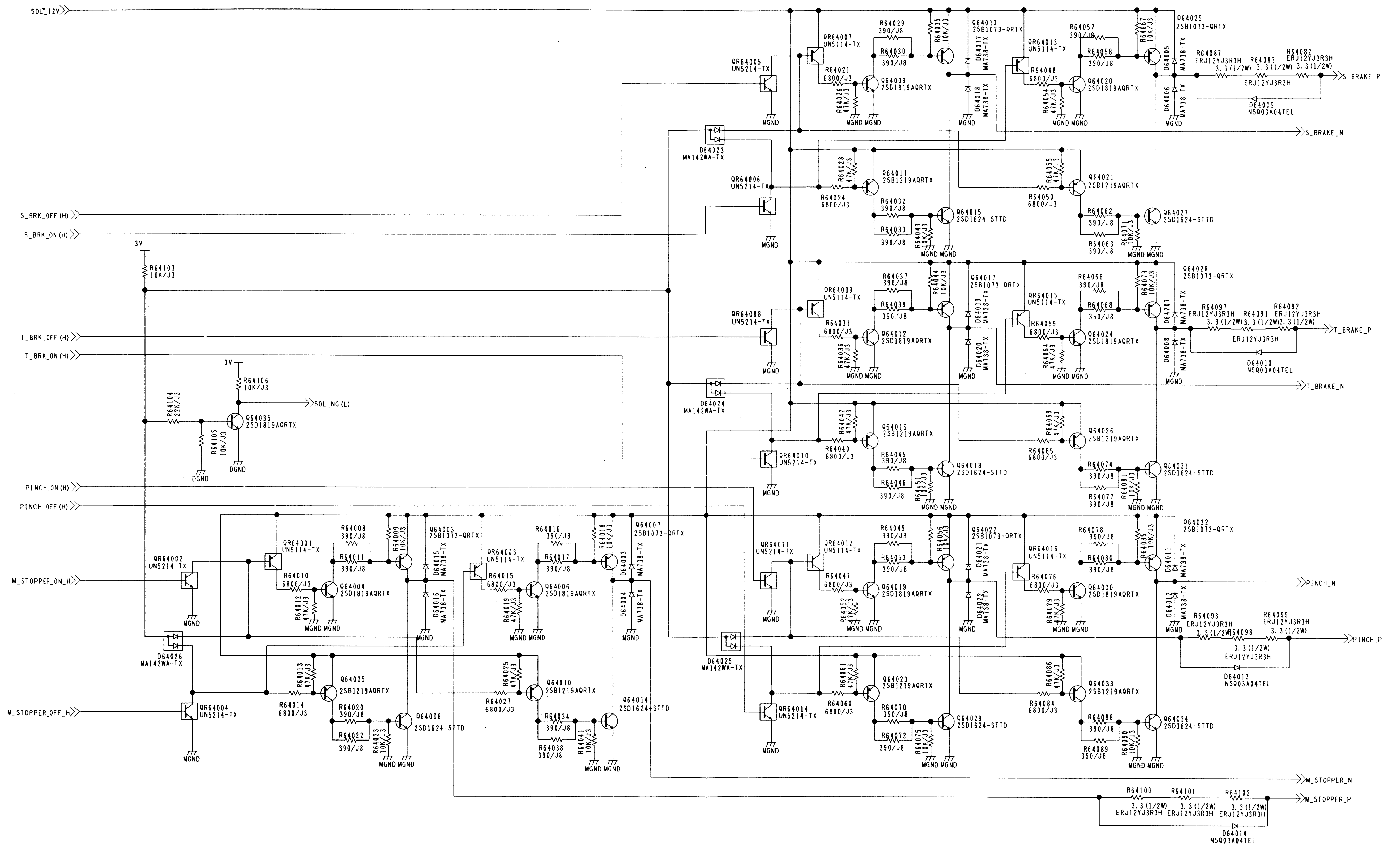
COMPONENT NAME	SERVO (REEL SERVO FG AMP)	09/14
CIRCUIT BOARD NO.	MODEL NO.	
VEP82218A	AJ-D95DC	
	SCM022	


MOTHER
P2001 VJP3949C070H
A NO B
TRP0 1 TRP1
TRP2 2 TSR
FRP_SYS 3 SPA
4
CAP_FG1 5 FEND
CYL_PG 6 CYL_FG
7 CYL_FG+
S_M_CUR 8 T_M_CUR
FPS0 9 FPS1
CAP_M_CUR 10 CYL_M_CUR
ATF_ERR_R 11
ATF_ERR_L 12 LIVE_CTL
RTV_SPD_R 13 RTV_SPD_L
AGND 14 AGND
AGND 15 REFCLK
AGND 16 AGND
ATFI_L 17 ATFI_R
ENV_R 18 ENV_L
RP_HSW_L 19 PB_HSW_L
RP_HSW_R 20 PB_HSW_R
SBC_SRV_DATA 21 STILL_H
SLOW_H 22 LIN_H
TAPE_REV_H 23 S_ERR
TENSION_TP 24 TENSION_VR
EVR_TEN 25 SRV_SBC_DATA
EVR_SRL 26 SRV_SBC_CLK
EVR_TRL 27
-5R6V 28 T_ERR
-5R6V 29 T_M_GND
+5V 30 9V
+5V 31 9V
A5.6V 32 +3V
A5.6V 33 +3V
AGND 34 DGND
AGND 35 DGND
CP2028 CP2029 CP2030 CP2031 CP2032 CP2033 CP2034 CP2035 CP2036 CP2037 CP2038 CP2039 CP2130 CP2041 CP2042 CP2043 CP2044 CP2045
CP2046 CP2047 CP2048 CP2049 CP2050 CP2051 CP2052 CP2053 CP2054 CP2055 CP2056 CP2057 CP2058 CP2059 CP2060 CP2061 CP2062 CP2063 CP2065 CP2066 CP2067 CP2068
D3VAD
D2001 MA704-TX
D2002 MA704-TX
ENV_R
ENV_L
-5.6V
L2001 VLQ0319K101
C2001 16V10/EVV
5.6V
L2003 VLQ0319K101
C2003 16V10/EVV
+5V
9V
3V
FL2001 VLF0941C223T
1 2 3
DGND
AGND
AV/SYSCON
P2002 VJP3949C070H
A NO B
T_BRK_ON(H) 1 T_BRK_OFF(H)
T_PHOTO 2 M_STOPPER_ON_H
M_STOPPER_OFF_H 3 PINCH_ON(H)
PINCH_OFF(H) 4 LOAD/UNLOAD
LOAD_M_ON_H 5 F_LOAD_M_ON_H
LOAD_SPEED1 6 LOAD_SPEED2
LOAD_SPEED3 7
SV_LOCK_DET 8
MECHA_POS1_L 9 SAFETY_TAB
MECHA_POS2_L 10 R_C_CLK
MECHA_POS3_L 11 R_TXD
CASSET_INR_H 12 C_TXD
CASSET_INL_H 13 REEL_POS1_H
CASSET1_H 14 REEL_POS2_H
CASSET2_H 15 RESET
CASSET_UP_L 16 CASSET_MID_H
CASSET_DOWN_H 17 CAS_DOWN_L
DGND 18 AGND
SYS_SRV_DATA 19 SRV_SYS_DATA
SYS_SRV_CLK 20 POWER_OF_RQ
SOL_NG(L) 21 CLN_SOL_NG
5V(jigu) 22 5V(jigu)
THIN_TAPE_L 23 CASSET_POS_2
FEND 24 TAPE_REV_H
FRAME_CTL 25 CAP_FG1
TSR 26 T_START
FRP_SYS 27 T_END
DEW_ON_H 28 DEW_GND
LOAD_FG_M 29 CL_SOL_ON(H)
FPS0 30 TEST(L)
S_PHOTO 31 PHT_LED(H)
S_BRK_ON(H) 32 S_BRK_OFF(H)
33
34 R_STAND_MT_FWD
R_STAND_MT_ON_H 35 SOL_12V
CP2069 CP2070 CP2071 CP2072 CP2073 CP2074 CP2075 CP2076 CP2077 CP2078 CP2079 CP2080 CP2081 CP2082 CP2083 CP2084 CP2085 CP2086 CP2087 CP2088 CP2089 CP2090 CP2091 CP2092 CP2093 CP2094 CP2095 CP2096 CP2097 CP2098
CP2099 CP2100 CP2101 CP2102 CP2103 CP2104 CP2105 CP2106 CP2107 CP2108 CP2109 CP2110 CP2111 CP2112 CP2113 CP2114 CP2115 CP2116 CP2117 CP2118 CP2119 CP2121 CP2122 CP2123 CP2124 CP2125 CP2126 CP2127 CP2128 CP2129 CP2120
THIN_TAPE_L
FRAME_CTL
SOL_NG(L)
SAFETY_TAB
CASSET_POS_2
CAP_FG1
T_START
T_END
DEW_GND
CL_SOL_ON(H)
PHT_LED(H)
S_BRK_OFF(H)
R_STAND_MT_FWD
SOL_12V

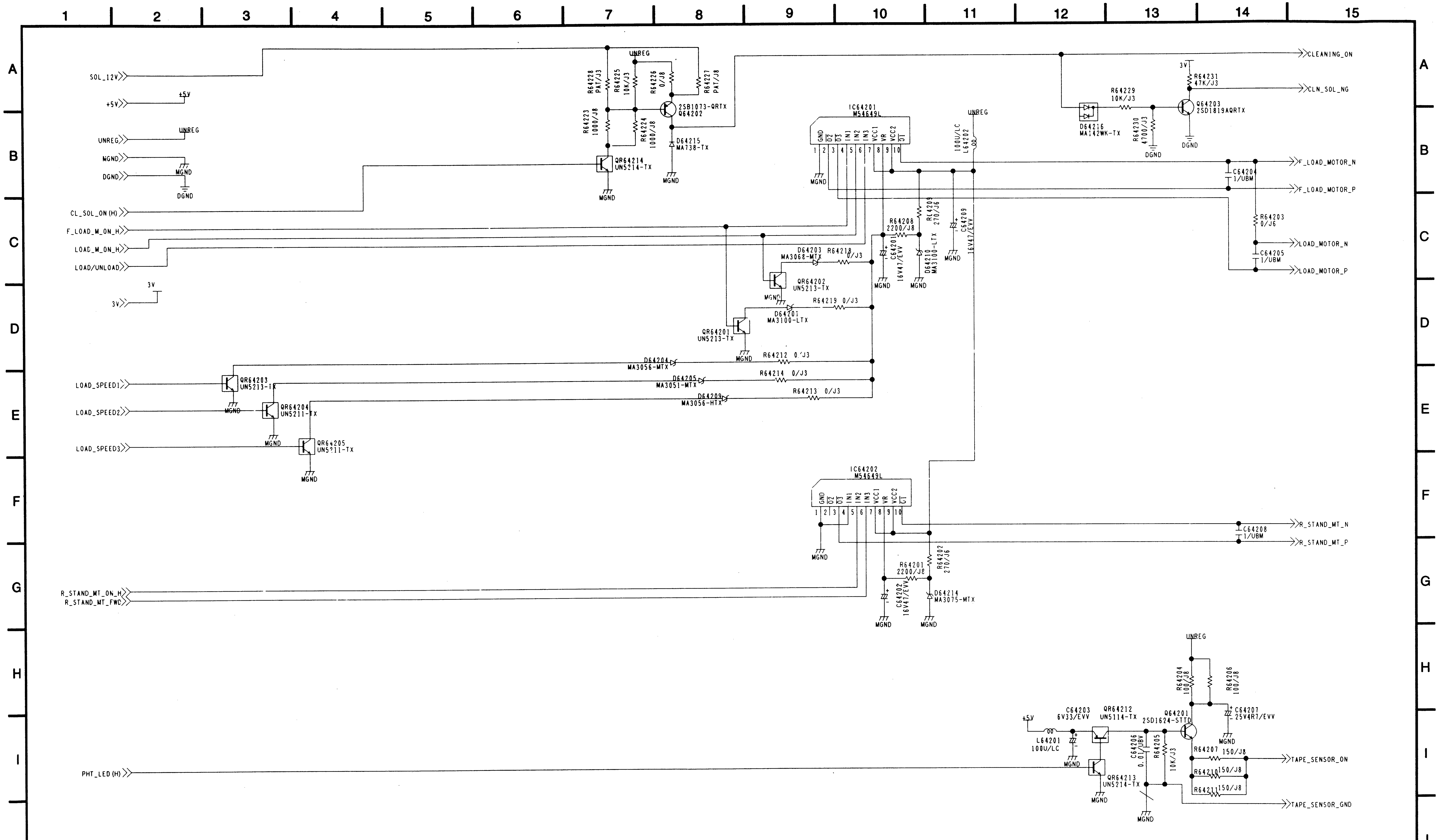
COMPONENT NAME	SERVO (CONNECT)	10/14
CIRCUIT BOARD NO.	MODEL NO.	
VEP82218A	AJ-D95DC	
	SCM023	


REEL STAND POS
P2012
VJP3172D005
+5V
REEL_POS1_H
REEL_POS2_H
1 +5V
2 REEL_POS1_H
3 REEL_POS2_H
4
5 DGND
MODE SW
P2022
VJP3172D004
MECHA_POS1_L
MECHA_POS2_L
MECHA_POS3_L
1 MECHA_POS1_L
2 MECHA_POS2_L
3 MECHA_POS3_L
4 DGND
T SENSOR
P2019
VJP3172D002
T_PHOTO
1 T_PHOTO
2 DGND
LOADING MOTOR FG
P2023
PAT/VJP3172D004
1 L_FG_VCC
2 LOAD_FG_M
3
4 DGND
DGND
PINCH SOL
P2020
VJP3518D003
PINCH_P
PINCH_N
1 PINCH_P
2
3 PINCH_N
LOADING MOTOR
P2021
VJP3518D002
LOAD_MOTOR_P
LOAD_MOTOR_N
1 LOAD_MOTOR_P
2 LOAD_MOTOR_N
CTL
P2030
VJP3172D003
CTL_HEAD_P
CTL_HEAD_G
1 CTL_HEAD_P
2
3 CTL_HEAD_G
CARRIGE
P2026
VJP1236T
CASSET_INR_H
CASSET_INL_H
CASSET1_H
CASSET2_H
CASSET_UP_L
CASSET_MID_H
CASSET_DOWN_H
1 +5V
2 CASSET_INR_H
3 CASSET_INL_H
4 CASSET1_H
5 CASSET2_H
6 CASSET_UP_L
7 CASSET_MID_H
8 CASSET_DOWN_H
9 DGND
MIC UNIT
P2017
VJS3801D010
SAFETY_TAB
THIN_TAPE_L
CASSET_POS_2
1
2
3 SAFETY_TAB
4 DGND
5 DGND (MIC4)
6 THIN_TAPE_L (MIC3)
7 CASSET_POS_2 (MIC2)
8 (MIC1)
9
10
R2001
1000/J3
DEW
P2011
VJP3172D002
DEW_ON_H
DEW_GND
1 DEW_ON_H
2 DEW_GND
M STOPPER SOL
P2024
VJP3518D002
M_STOPPER_N
M_STOPPER_P
1 M_STOPPER_N
2 M_STOPPER_P
TOHDAI
P2014
VJP3172D003
TAPE_SENSOR_ON
TAPE_SENSOR_GND
1 TAPE_SENSOR_ON
2
3 TAPE_SENSOR_GND
T BRK SOL
P2018
VJP3518D002
T_BRAKE_P
T_BRAKE_N
1 T_BRAKE_P
2 T_BRAKE_N
FRONT MOTOR
P2025
VJP1230T
F_LOAD_MOTOR_P
F_LOAD_MOTOR_N
1 F_LOAD_MOTOR_P
2
3 F_LOAD_MOTOR_N
REEL STAND MOTOR
P2016
VJP3518D003
R_STAND_MT_P
R_STAND_MT_N
1 R_STAND_MT_P
2
3 R_STAND_MT_N
CAS DOWN SW
P2038
VJP3172D002
CAS_DOWN_L
1 CAS_DOWN_L
2 DGND
S SENSOR
P2013
VJP3172D002
S_PHOTO
1 S_PHOTO
2 DGND
S BRK SOL
P2015
VJP3518D002
S_BRAKE_P
S_BRAKE_N
1 S_BRAKE_P
2 S_BRAKE_N
TENSION
P2032
VJP3172D004
TEN_VCC
TEN+
TEN_2R5V
TEN-
1 TEN_VCC
2 TEN+
3 TEN_2R5V
4 TEN-
T REEL
P2035
VJS3813C017
FG_VCC
T_FG1
T_FG2
T_VH-
T_H3-
T_VH+
T_H3+
T_M1
T_H2-
T_H2+
T_M3
T_H1-
T_H1+
T_M2
AGND
1 FG_VCC
2 T_FG1
3 AGND
4 T_FG2
5 T_VH-
6 T_H3-
7 T_VH+
8 T_H3+
9 T_M1
10 T_H2-
11 T_VH+
12 T_H2+
13 T_M3
14 T_H1-
15 T_VH+
16 T_H1+
17 T_M2
S REEL
P2034
VJS3813C017
FG_VCC
S_FG1
S_FG2
S_VH-
S_H3-
S_VH+
S_H3+
S_M1
S_H2-
S_H2+
S_M3
S_H1-
S_H1+
S_M2
1 FG_VCC
2 S_FG1
3 AGND
4 S_FG2
5 S_VH-
6 S_H3-
7 S_VH+
8 S_H3+
9 S_M1
10 S_H2-
11 S_VH+
12 S_H2+
13 S_M3
14 S_H1-
15 S_VH+
16 S_H1+
17 S_M2
P2003
VJP1232T
UNREG
CYL_GND
CAP_GND
SOL_12V
1 UNREG
2 UNREG
3 UNREG_GND
4 UNREG_GND
5 SOL_12V
from BACK_UP_C
RL_GND (UNREG_GND)
UNREG_GND
MGND
CAPSTAN
P2036
VJS3406D019
CAP_FG2_M
CAPFG_GND
CAP_FG1_M
CVMR
CAM3
CAM2
CAH_V+
CAH2+
CAH_V-
CAH2-
CAH1-
CAH1+
CAH3-
CAH3+
CAM1
1 CAP_FG2_M
2 AGND
3 CAP_FG1_M
4 CVMR
5 CAM3
6 CAM2
7 CAH_V+
8 CAH2+
9 CAH_V-
10 CAH2-
11 CAH1-
12 CAH_V+
13 CAH1+
14 CAH_V-
15 CAH_V-
16 CAH3-
17 CAH_V+
18 CAH3+
19 CAM1
CYL
P2033
VJS3406D015
CYLH3-
CYLH3+
CYLH2-
CYLH2+
CYLH1-
CYLH1+
CYLH_V-
CYLH_V+
CYL_FG+
CYL_PF_GND
CYL_PG+
CYL_M1
CYL_M2
CYL_M3
1 CYLH3-
2 CYLH3+
3 CYLH2-
4 CYLH2+
5 CYLH1-
6 CYLH1+
7 CYLH_V-
8 CYLH_V+
9 CYL_FG+
10 CYL_PF_GND (CYL_FG-)
11 CYL_PG+
12 CYL_PF_GND (CYL_FG-)
13 CYL_M1
14 CYL_M2
15 CYL_M3
CLEANING SOL
P2037
VJP3125D002
CLEANING_ON
1 MGND
2 CLEANING_ON

COMPONENT NAME	SERVO (MECHA IF)	11/14
CIRCUIT BOARD NO.	MODEL NO.	
VEP82218A	AJ-D95DC	
	SCM024	

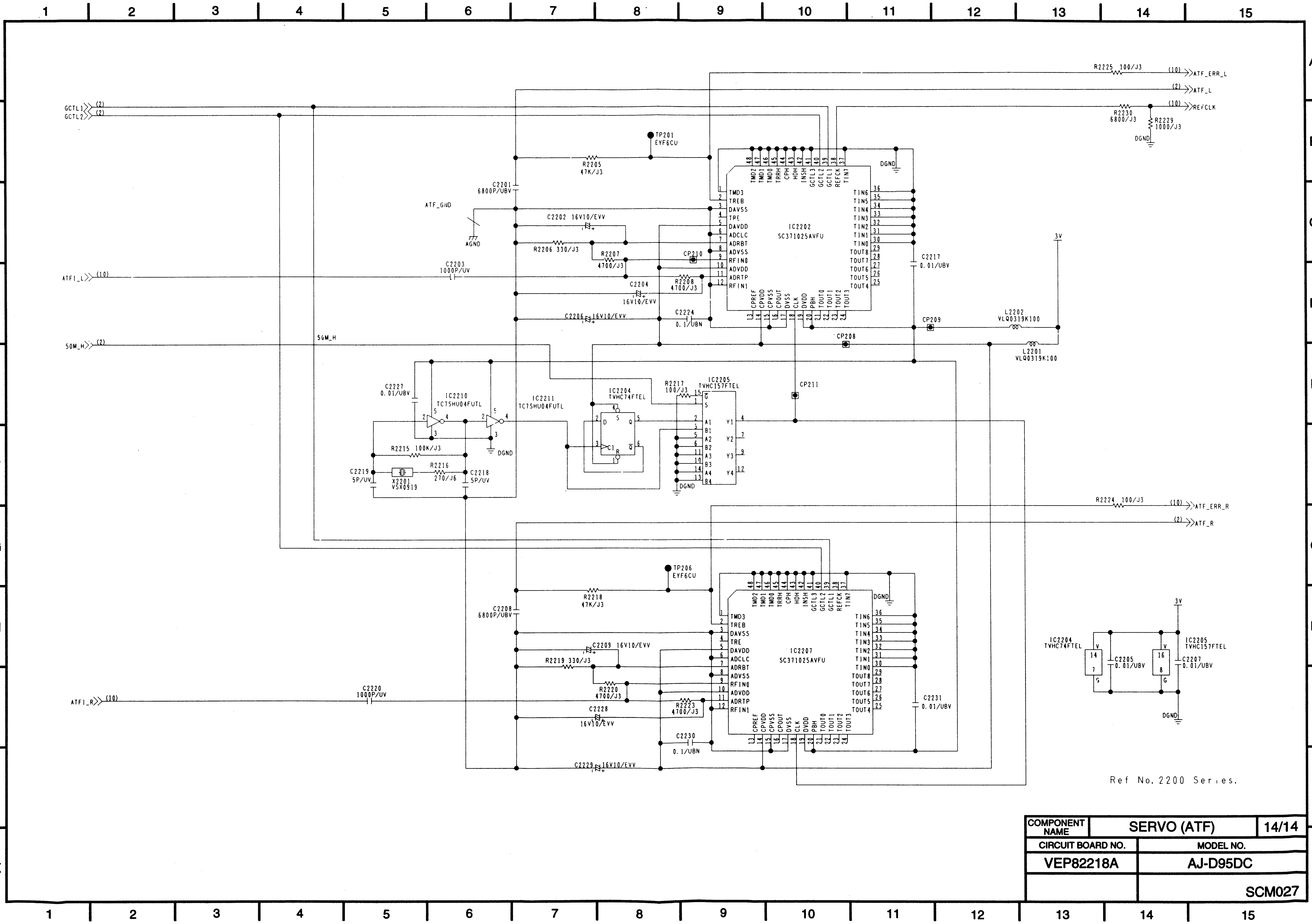

SOL_12V
S_BRK_OFF (H)
S_BRK_ON (H)
T_BRK_OFF (H)
T_BRK_ON (H)
PINCH_ON (H)
PINCH_OFF (H)
M_STOPPER_ON_H
M_STOPPER_OFF_H
S_BRAKE_P
S_BRAKE_N
T_BRAKE_P
T_BRAKE_N
PINCH_N
PINCH_P
M_STOPPER_N
M_STOPPER_P
SOL_NG (L)
3V
R64103 10K/J3
R64104 22K/J3
R64105 10K/J3
R64106 10K/J3
Q64035 2SD1819AQRTX
DGND
QR64005 UN5214-TX
QR64006 UN5214-TX
QR64007 UN5114-TX
QR64008 UN5214-TX
QR64009 UN5114-TX
QR64010 UN5214-TX
QR64011 UN5214-TX
QR64012 UN5114-TX
QR64013 UN5114-TX
QR64014 UN5214-TX
QR64015 UN5114-TX
QR64016 UN5114-TX
QR64001 UN5114-TX
QR64002 UN5214-TX
QR64003 UN5114-TX
QR64004 UN5214-TX
D64023 MA142WA-TX
D64024 MA142WA-TX
D64025 MA142WA-TX
D64026 MA142WA-TX
Q64013 2SB1073-QRTX
Q64025 2SB1073-QRTX
Q64017 2SB1073-QRTX
Q64028 2SB1073-QRTX
Q64022 2SB1073-QRTX
Q64032 2SB1073-QRTX
Q64003 2SB1073-QRTX
Q64007 2SB1073-QRTX
Q64009 2SD1819AQRTX
Q64020 2SD1819AQRTX
Q64012 2SD1819AQRTX
Q64024 2SD1819AQRTX
Q64019 2SD1819AQRTX
Q64030 2SD1819AQRTX
Q64004 2SD1819AQRTX
Q64006 2SD1819AQRTX
Q64011 2SB1219AQRTX
Q64021 2SB1219AQRTX
Q64016 2SB1219AQRTX
Q64026 2SB1219AQRTX
Q64023 2SB1219AQRTX
Q64033 2SB1219AQRTX
Q64005 2SB1219AQRTX
Q64010 2SB1219AQRTX
Q64015 2SD1624-STTD
Q64027 2SD1624-STTD
Q64018 2SD1624-STTD
Q64031 2SD1624-STTD
Q64029 2SD1624-STTD
Q64034 2SD1624-STTD
Q64008 2SD1624-STTD
Q64014 2SD1624-STTD
D64017 MA738-TX
D64018 MA738-TX
D64005 MA738-TX
D64006 MA738-TX
D64019 MA738-TX
D64020 MA738-TX
D64007 MA738-TX
D64008 MA738-TX
D64021 MA738-TX
D64022 MA738-TX
D64011 MA738-TX
D64012 MA738-TX
D64015 MA738-TX
D64016 MA738-TX
D64003 MA738-TX
D64004 MA738-TX
D64009 NSQ03A04TEL
D64010 NSQ03A04TEL
D64013 NSQ03A04TEL
D64014 NSQ03A04TEL
R64029 390/J8
R64030 390/J8
R64035 10K/J3
R64021 6800/J3
R64026 47K/J3
R64057 390/J8
R64058 390/J8
R64067 10K/J3
R64048 6800/J3
R64054 47K/J3
R64087 ERJ12YJ3R3H 3.3 (1/2W)
R64083 3.3 (1/2W) ERJ12YJ3R3H
R64082 ERJ12YJ3R3H 3.3 (1/2W)
R64028 47K/J3
R64024 6800/J3
R64032 390/J8
R64033 390/J8
R64043 10K/J3
R64055 47K/J3
R64050 6800/J3
R64062 390/J8
R64063 390/J8
R64071 10K/J3
R64037 390/J8
R64039 390/J8
R64044 10K/J3
R64031 6800/J3
R64036 47K/J3
R64056 390/J8
R64068 390/J8
R64073 10K/J3
R64059 6800/J3
R64064 47K/J3
R64097 ERJ12YJ3R3H 3.3 (1/2W)
R64091 3.3 (1/2W) ERJ12YJ3R3H
R64092 ERJ12YJ3R3H 3.3 (1/2W)
R64042 47K/J3
R64040 6800/J3
R64045 390/J8
R64046 390/J8
R64051 10K/J3
R64069 47K/J3
R64065 6800/J3
R64074 390/J8
R64077 390/J8
R64081 10K/J3
R64049 390/J8
R64053 390/J8
R64058 10K/J3
R64047 6800/J3
R64052 47K/J3
R64078 390/J8
R64080 390/J8
R64085 10K/J3
R64076 6800/J3
R64079 47K/J3
R64093 ERJ12YJ3R3H 3.3 (1/2W)
R64098 3.3 (1/2W) ERJ12YJ3R3H
R64099 ERJ12YJ3R3H 3.3 (1/2W)
R64061 47K/J3
R64060 6800/J3
R64070 390/J8
R64072 390/J8
R64075 10K/J3
R64086 47K/J3
R64084 6800/J3
R64088 390/J8
R64089 390/J8
R64090 10K/J3
R64008 390/J8
R64011 390/J8
R64009 10K/J3
R64010 6800/J3
R64012 47K/J3
R64016 390/J8
R64017 390/J8
R64018 10K/J3
R64015 6800/J3
R64019 47K/J3
R64013 47K/J3
R64014 6800/J3
R64020 390/J8
R64022 390/J8
R64023 10K/J3
R64025 47K/J3
R64027 6800/J3
R64034 390/J8
R64038 390/J8
R64041 10K/J3
R64100 3.3 (1/2W) ERJ12YJ3R3H
R64101 3.3 (1/2W) ERJ12YJ3R3H
R64102 3.3 (1/2W) ERJ12YJ3R3H
MGND

COMPONENT NAME	SERVO (BREAK & PINCH)	12/14
CIRCUIT BOARD NO.	MODEL NO.	
VEP82218A	AJ-D95DC	
	SCM025	


SOL_12V
+5V
UNREG
MGND
DGND
CL_SOL_ON(H)
F_LOAD_M_ON_H
LOAD_M_ON_H
LOAD/UNLOAD
3V
LOAD_SPEED1
LOAD_SPEED2
LOAD_SPEED3
R_STAND_MT_ON_H
R_STAND_MT_FWD
PHT_LED(H)
R64228 PAT/J3
R64225 10K/J3
R64226 0/J8
R64227 PAT/J8
R64223 1000/J8
R64224 1000/J8
2SB1073-QRTX
Q64202
D64215 MA738-TX
QR64214 UN5214-TX
IC64201 M54649L
GND O2 O3 IN1 IN2 IN3 VCC1 VR VCC2 O1
1 2 3 4 5 6 7 8 9 10
100U/LC L64202
R64208 2200/J8
R64209 270/J6
C64209 16V47/EVV
C64201 16V47/EVV
D64210 MA3100-LTX
D64203 MA3068-MTX
R64218 0/J3
QR64202 UN5213-TX
D64201 MA3100-LTX
R64219 0/J3
QR64201 UN5213-TX
D64204 MA3056-MTX
R64212 0/J3
D64205 MA3051-MTX
R64214 0/J3
D64209 MA3056-HTX
R64213 0/J3
QR64203 UN5213-TX
QR64204 UN5211-TX
QR64205 UN5211-TX
CLEANING_ON
3V
R64231 47K/J3
CLN_SOL_NG
R64229 10K/J3
Q64203 2SD1819AQRTX
D64216 MA142WK-TX
R64230 4700/J3
C64204 1/UBM
F_LOAD_MOTOR_N
F_LOAD_MOTOR_P
R64203 0/J6
LOAD_MOTOR_N
C64205 1/UBM
LOAD_MOTOR_P
IC64202 M54649L
R_STAND_MT_N
C64208 1/UBM
R_STAND_MT_P
R64201 2200/J8
R64202 270/J6
C64202 16V47/EVV
D64214 MA3075-MTX
R64204 100/J8
R64206 100/J8
C64203 6V33/EVV
QR64212 UN5114-TX
Q64201 2SD1624-STTD
C64207 25V4R7/EVV
L64201 100U/LC
C64206 0.01/UBV
R64205 10K/J3
R64207 150/J8
R64210 150/J8
R64211 150/J8
QR64213 UN5214-TX
TAPE_SENSOR_ON
TAPE_SENSOR_GND
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

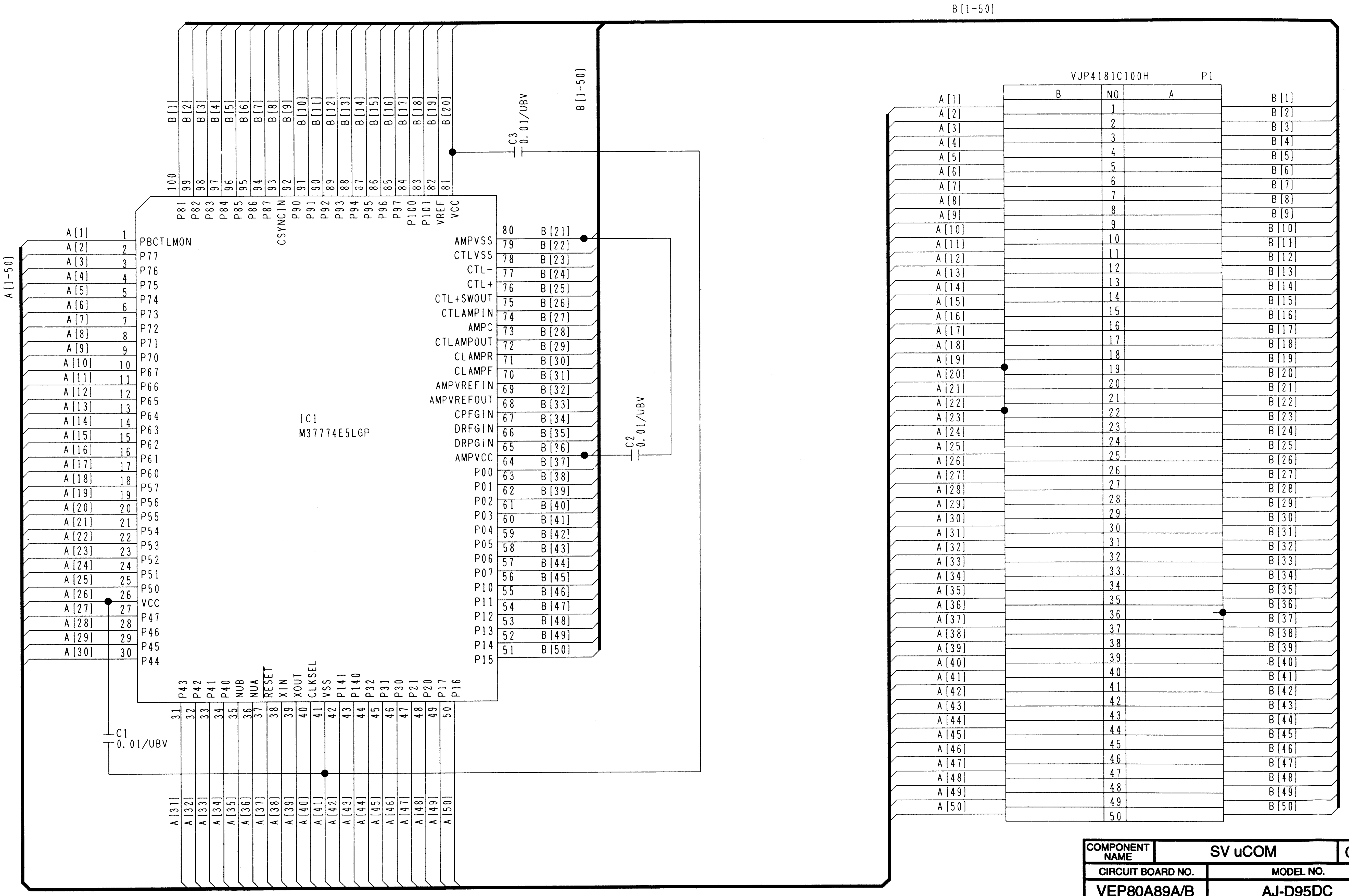
Ref No. 64200 Series.

COMPONENT NAME	SERVO (LOADING)	13/14
CIRCUIT BOARD NO.	MODEL NO.	
VEP82218A	AJ-D95DC	
	SCM026	

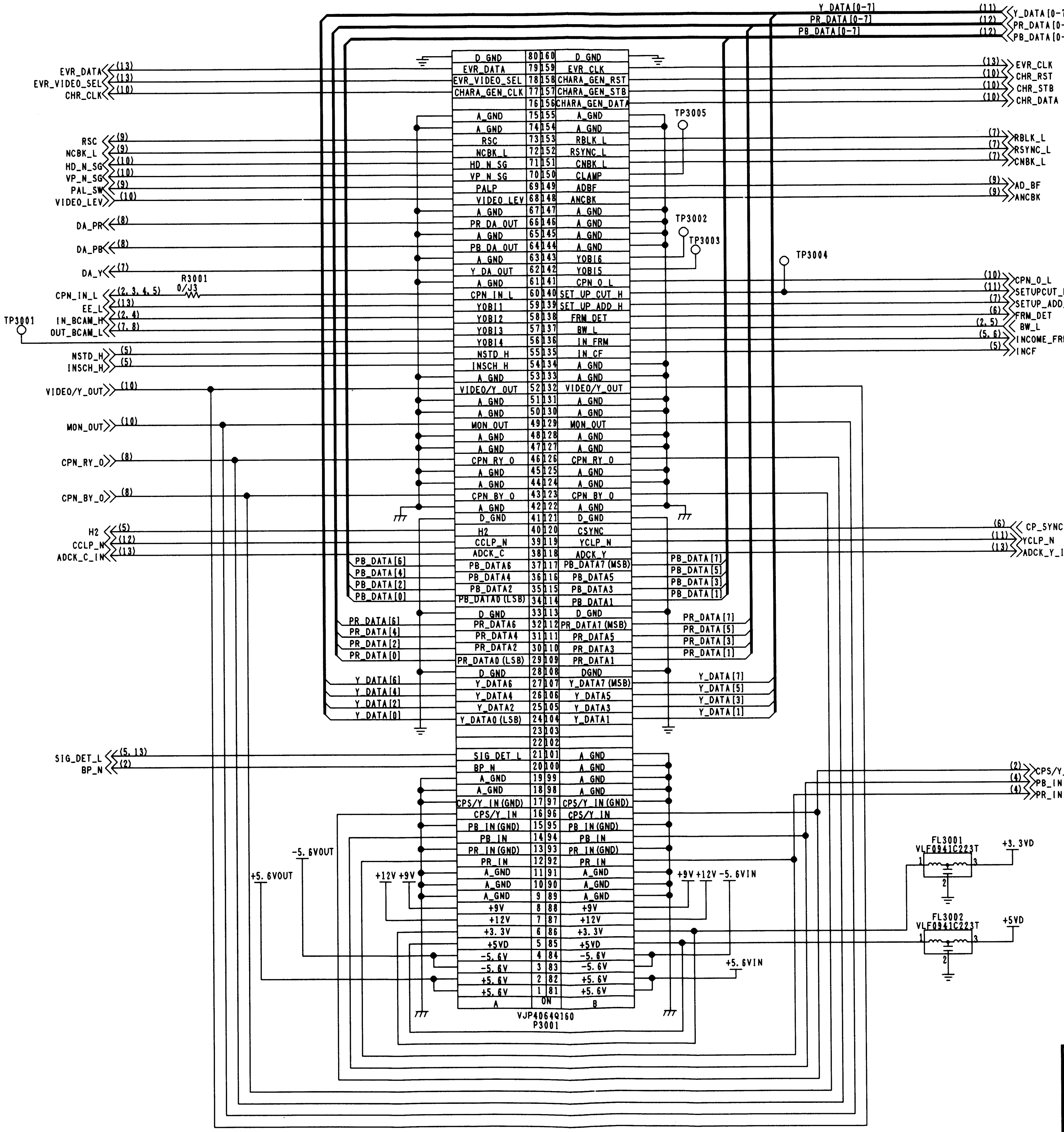

GCTL1
GCTL2
ATFI_L
50M_H
50M_H
ATFI_R
ATF_GND
AGND
R2225 100/J3
ATF_ERR_L
ATF_L
REFCLK
R2230 6800/J3
R2229 1000/J3
DGND
TP201 EYF6CU
R2205 47K/J3
C2201 6800P/UBV
C2202 16V10/EVV
R2206 330/J3
R2207 4700/J3
CP210
C2203 1000P/UV
C2204 16V10/EVV
R2208 4700/J3
C2206 16V10/EVV
C2224 0.1/UBN
IC2202 SC371025AVFU
C2217 0.01/UBV
CP209
L2202 VLQ0319K100
L2201 VLQ0319K100
CP208
3V
CP211
C2227 0.01/UBV
IC2210 TC7SHU04FUTL
IC2211 TC7SHU04FUTL
IC2204 TVHC74FTEL
R2217 100/J3
IC2205 TVHC157FTEL
R2215 100K/J3
R2216 270/J6
C2219 5P/UV
X2201 VSX0919
C2218 5P/UV
DGND
R2224 100/J3
ATF_ERR_R
ATF_R
TP206 EYF6CU
R2218 47K/J3
C2208 6800P/UBV
C2209 16V10/EVV
R2219 330/J3
R2220 4700/J3
C2220 1000P/UV
C2228 16V10/EVV
R2223 4700/J3
C2230 0.1/UBN
C2229 16V10/EVV
IC2207 SC371025AVFU
C2231 0.01/UBV
IC2204 TVHC74FTEL
C2205 0.01/UBV
IC2205 TVHC157FTEL
C2207 0.01/UBV
TMD3 TREB DAVSS TRE DAVDD ADCLC ADRBT ADVSS RFIN0 ADVDD ADRTP RFIN1
TMD2 TMD1 TMD0 TRRH CPH HDH INSH GCTL3 GCTL2 GCTL1 REFCK TIN7
TIN6 TIN5 TIN4 TIN3 TIN2 TIN1 TIN0 TOUT8 TOUT7 TOUT6 TOUT5 TOUT4
CPREF CPVDD CPVSS CPOUT DVSS CLK DVDD PBH TOUT0 TOUT1 TOUT2 TOUT3
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

Ref No. 2200 Series.

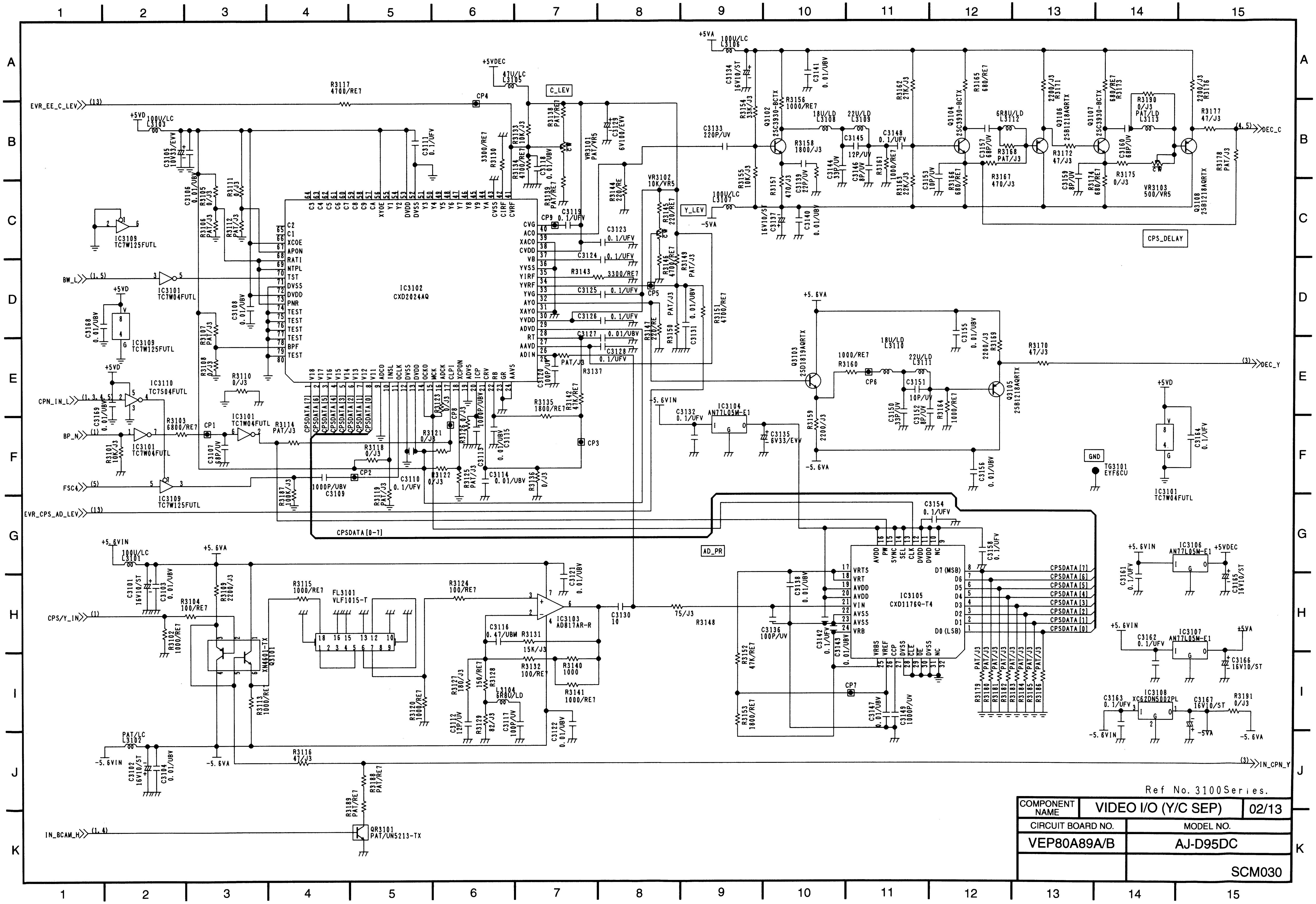
COMPONENT NAME	SERVO (ATF)	14/14
CIRCUIT BOARD NO.	MODEL NO.	
VEP82218A	AJ-D95DC	
	SCM027	


B[1-50]
A[1-50]
VJP4181C100H
P1
B
NO
A
IC1
M37774E5LGP
C1
0.01/UBV
C2
0.01/UBV
C3
0.01/UBV
PBCTLMON
P77
P76
P75
P74
P73
P72
P71
P70
P67
P66
P65
P64
P63
P62
P61
P60
P57
P56
P55
P54
P53
P52
P51
P50
VCC
P47
P46
P45
P44
P43
P42
P41
P40
NUB
NUA
RESET
XIN
XOUT
CLKSEL
VSS
P141
P140
P32
P31
P30
P21
P20
P17
P16
P15
P14
P13
P12
P11
P10
P07
P06
P05
P04
P03
P02
P01
P00
AMPVCC
DRPGIN
DRFGIN
CPFGIN
AMPVREFOUT
AMPVREFIN
CLAMPF
CLAMPR
CTLAMPOUT
AMPC
CTLAMPIN
CTL+SWOUT
CTL+
CTL-
CTLVSS
AMPVSS
VCC
VREF
P101
P100
P97
P96
P95
P94
P93
P92
P91
P90
CSYNCIN
P87
P86
P85
P84
P83
P82
P81

COMPONENT NAME	SV uCOM	01/01
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A89A/B	AJ-D95DC	
	SCM028	

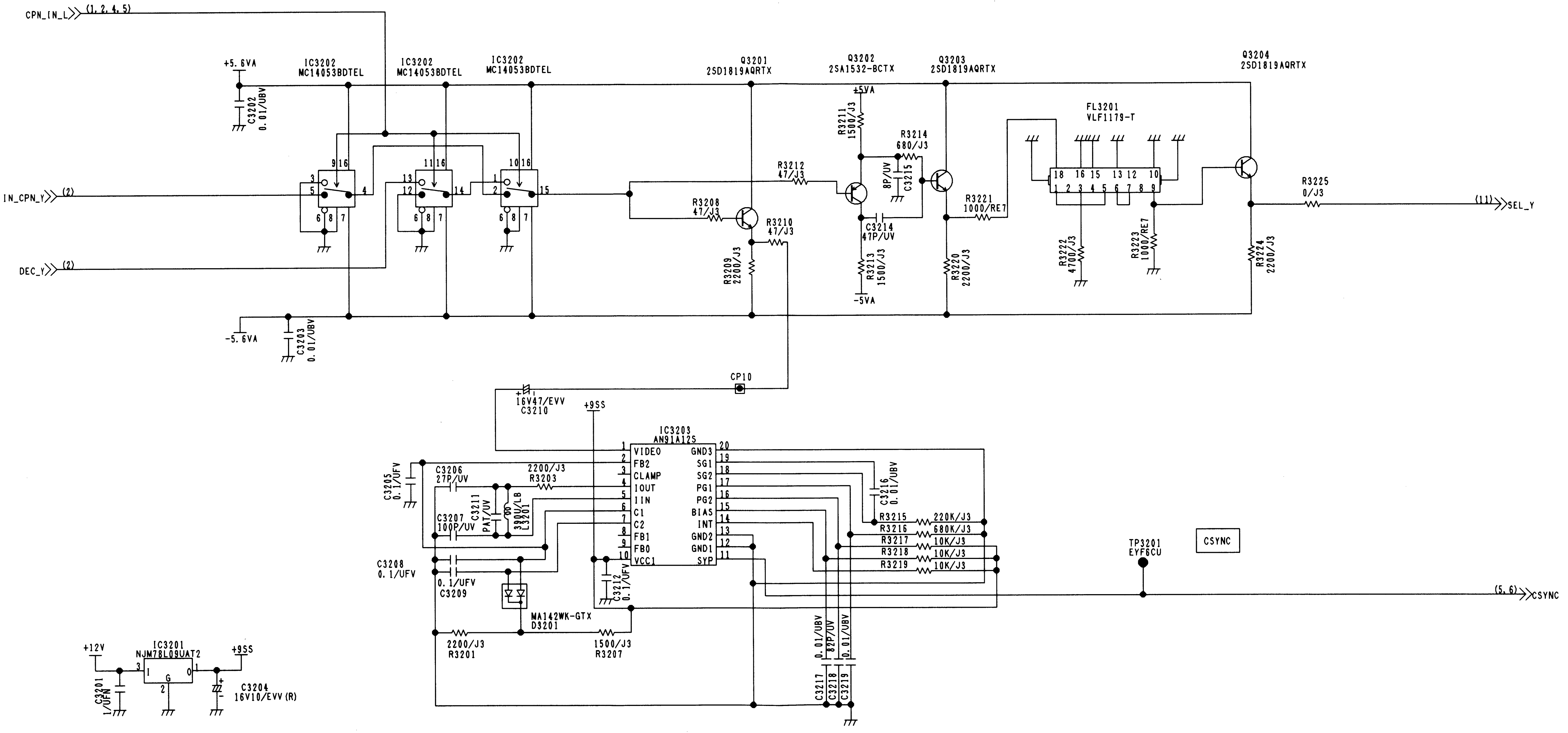

Y_DATA[0-7]
PR_DATA[0-7]
PB_DATA[0-7]
EVR_DATA
EVR_VIDEO_SEL
CHR_CLK
RSC
NCBK_L
HD_N_SG
VP_N_SG
PAL_SW
VIDEO_LEV
DA_PR
DA_PB
DA_Y
R3001
0/J3
CPN_IN_L
EE_L
IN_BCAM_H
OUT_BCAM_L
TP3001
NSTD_H
INSCH_H
VIDEO/Y_OUT
MON_OUT
CPN_RY_O
CPN_BY_O
H2
CCLP_N
ADCK_C_IN
SIG_DET_L
BP_N
TP3005
TP3002
TP3003
TP3004
EVR_CLK
CHR_RST
CHR_STB
CHR_DATA
RBLK_L
RSYNC_L
CNBK_L
AD_BF
ANCBK
CPN_O_L
SETUPCUT_H
SETUP_ADD_H
FRM_DET
BW_L
INCOME_FRM
INCF
CP_SYNC
YCLP_N
ADCK_Y_IN
CPS/Y_IN
PB_IN
PR_IN
FL3001
VLF0941C223T
+3.3VD
FL3002
VLF0941C223T
+5VD
+5.6VOUT
-5.6VOUT
+12V +9V
+9V +12V -5.6VIN
+5.6VIN
VJP40640160
P3001

COMPONENT NAME	VIDEO I/O (CONNECTOR)	01/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A89A/B	AJ-D95DC	
	SCM029	


EVR_EE_C_LEV (13)
BW_L (1,5)
CPN_IN_L (1,3,4,5)
BP_N (1)
FSC4 (5)
EVR_CPS_AD_LEV (13)
CPS/Y_IN (1)
IN_BCAM_H (1,4)
DEC_C (4,5)
DEC_Y (3)
IN_CPN_Y (3)
C_LEV
Y_LEV
CPS_DELAY
AD_PR
GND
CPSDATA[0-7]
IC3102 CXD2024AQ
IC3105 CXD1176Q-T4
IC3103 AD817AR-R
IC3104 AN77L05M-E1
IC3106 AN77L05M-E1
IC3107 AN77L05M-E1
IC3108 XC62DN5002PL
IC3101 TC7W04FUTL
IC3109 TC7W125FUTL
IC3110 TC7S04FUTL
FL3101 VLF1015-T
Q3101 XN4601-TX
Q3102 2SC3930-BCTX
Q3103 2SD1819AQRTX
Q3104 2SC3930-BCTX
Q3105 2SB1218AQRTX
Q3106 2SB1218AQRTX
Q3107 2SC3930-BCTX
Q3108 2SB1218AQRTX
QR3101 PAT/UN5213-TX
VR3101 PAT/VR5
VR3102 10K/VR5
VR3103 500/VR5
TG3101 EYF6CU
+5VA
+5VD
+5VDEC
+5.6VA
+5.6VIN
-5.6VA
-5.6VIN
-5VA

Ref No. 3100Series.

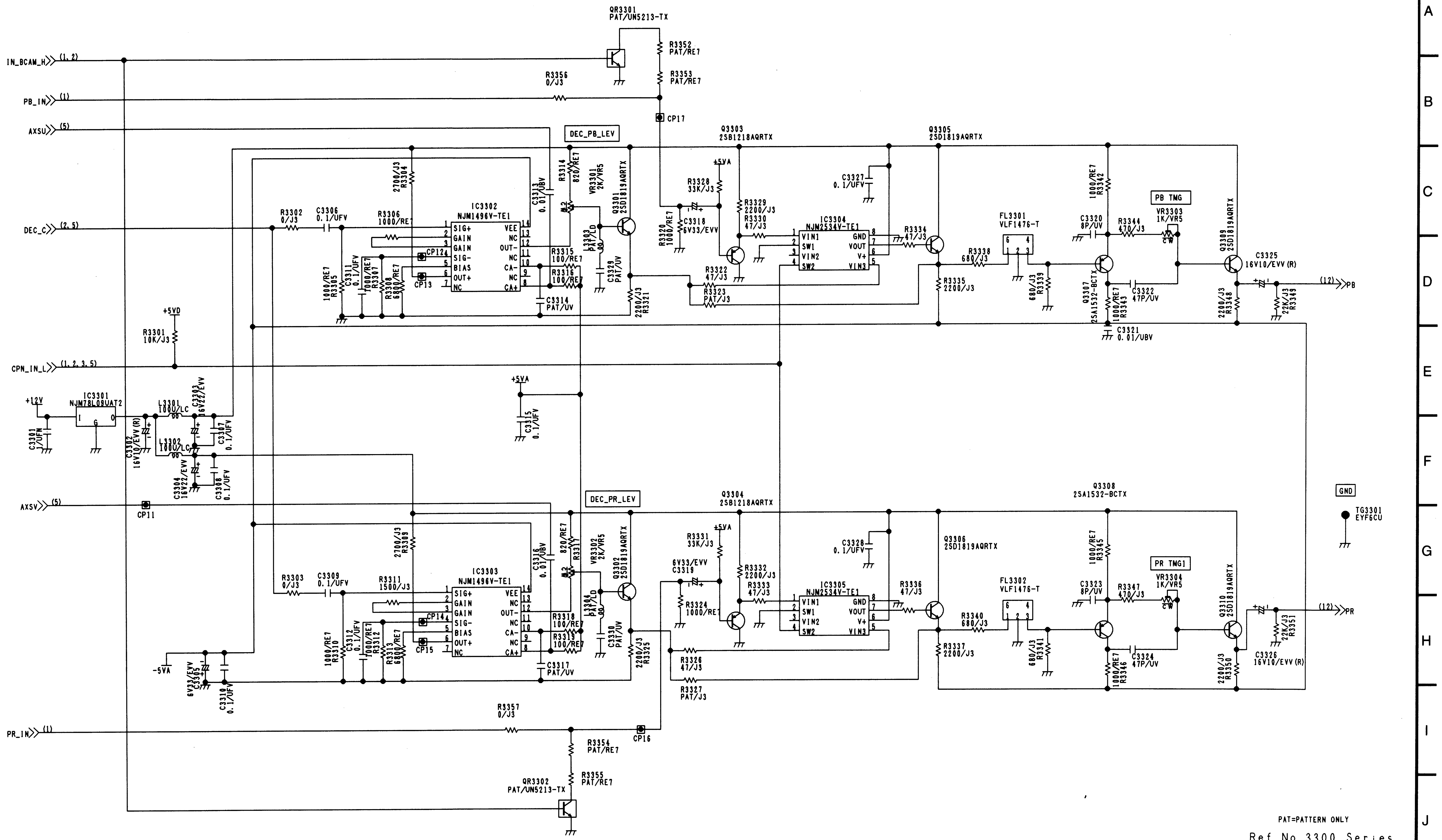
COMPONENT NAME	VIDEO I/O (Y/C SEP)	02/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A89A/B	AJ-D95DC	
	SCM030	


CPN_IN_L (1,2,4,5)
IN_CPN_Y (2)
DEC_Y (2)
+5.6VA
-5.6VA
C3202 0.01/UBV
C3203 0.01/UBV
IC3202 MC14053BDTEL
IC3202 MC14053BDTEL
IC3202 MC14053BDTEL
Q3201 2SD1819AQRTX
Q3202 2SA1532-BCTX
Q3203 2SD1819AQRTX
Q3204 2SD1819AQRTX
R3208 47/J3
R3209 2200/J3
R3210 47/J3
R3212 47/J3
R3211 1500/J3
R3213 1500/J3
R3214 680/J3
C3215 8P/UV
C3214 47P/UV
+5VA
-5VA
R3220 2200/J3
R3221 1000/RE7
FL3201 VLF1179-T
R3222 4700/J3
R3223 1000/RE7
R3224 2200/J3
R3225 0/J3
(11) SEL_Y
CP10
16V47/EVV C3210
+9SS
IC3203 AN91A12S
VIDEO
FB2
CLAMP
IOUT
IIN
C1
C2
FB1
FB0
VCC1
GND3
SG1
SG2
PG1
PG2
BIAS
INT
GND2
GND1
SYP
C3205 0.1/UFV
C3206 27P/UV
R3203 2200/J3
C3207 100P/UV
C3211 PAT/UV
L3201 390U/LB
C3208 0.1/UFV
C3209 0.1/UFV
C3212 0.1/UFV
MA142WK-GTX D3201
R3201 2200/J3
R3207 1500/J3
C3216 0.01/UBV
R3215 220K/J3
R3216 680K/J3
R3217 10K/J3
R3218 10K/J3
R3219 10K/J3
C3217 0.01/UBV
C3218 82P/UV
C3219 0.01/UBV
TP3201 EYF6CU
CSYNC
(5,6) CSYNC
+12V
IC3201 NJM78L09UAT2
+9SS
C3201 1/UFN
C3204 16V10/EVV(R)

PAT=PATTERN ONLY

Ref No. 3200 Series.

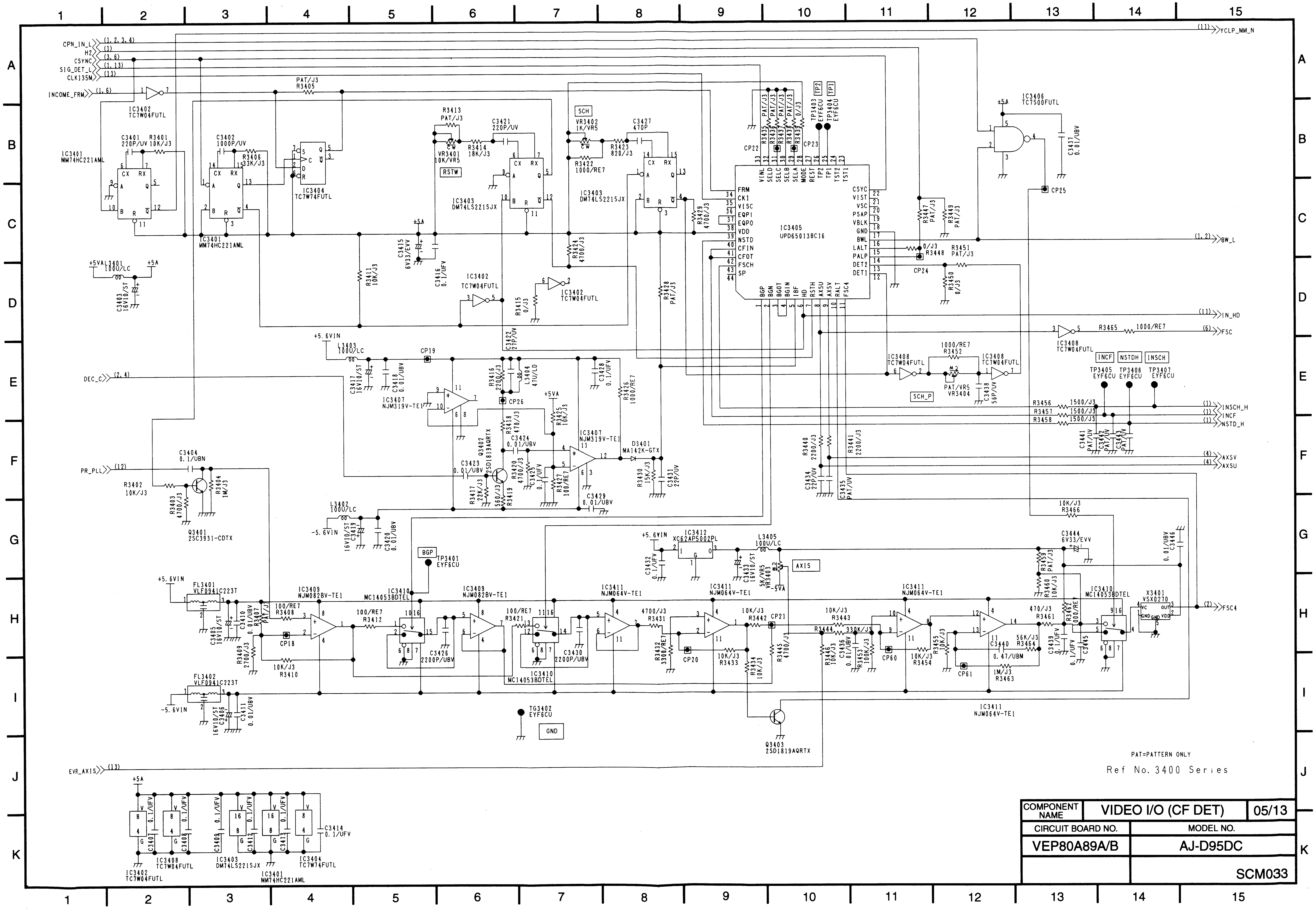
COMPONENT NAME	VIDEO I/O (SYNC SEP)	03/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A89A/B	AJ-D95DC	
	SCM031	


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
H
I
J
K
IN_BCAM_H
(1,2)
PB_IN
(1)
AXSU
(5)
DEC_C
(2,5)
CPN_IN_L
(1,2,3,5)
AXSV
(5)
PR_IN
(1)
+12V
+5VD
+5VA
-5VA
QR3301
PAT/UN5213-TX
QR3302
PAT/UN5213-TX
R3352
PAT/RE7
R3353
PAT/RE7
R3354
PAT/RE7
R3355
PAT/RE7
R3356
0/J3
R3357
0/J3
CP17
CP16
CP11
CP12
CP13
CP14
CP15
DEC_PB_LEV
DEC_PR_LEV
IC3301
NJM78L09UAT2
IC3302
NJM1496V-TE1
IC3303
NJM1496V-TE1
IC3304
NJM2534V-TE1
IC3305
NJM2534V-TE1
SIG+
GAIN
SIG-
BIAS
OUT+
NC
VEE
OUT-
CA-
CA+
VIN1
SW1
VIN2
SW2
GND
VOUT
V+
VIN3
Q3301
2SD1819AQRTX
Q3302
2SD1819AQRTX
Q3303
2SB1218AQRTX
Q3304
2SB1218AQRTX
Q3305
2SD1819AQRTX
Q3306
2SD1819AQRTX
Q3307
2SA1532-BCTX
Q3308
2SA1532-BCTX
Q3309
2SD1819AQRTX
Q3310
2SD1819AQRTX
FL3301
VLF1476-T
FL3302
VLF1476-T
VR3301
2K/VR5
VR3302
2K/VR5
VR3303
1K/VR5
VR3304
1K/VR5
PB TNG
PR TNG1
L3301
1000/LC
L3302
1000/LC
L3303
PAT/LD
L3304
PAT/LD
R3301
10K/J3
R3302
0/J3
R3303
0/J3
R3304
2700/J3
R3305
1000/RE7
R3306
1000/RE7
R3307
1000/RE7
R3308
6800/RE7
R3309
2700/J3
R3310
1000/RE7
R3311
1500/J3
R3312
1000/RE7
R3313
6800/RE7
R3314
820/RE7
R3315
100/RE7
R3316
100/RE7
R3317
820/RE7
R3318
100/RE7
R3319
100/RE7
R3320
1000/RE7
R3321
2200/J3
R3322
47/J3
R3323
PAT/J3
R3324
1000/RE7
R3325
2200/J3
R3326
47/J3
R3327
PAT/J3
R3328
33K/J3
R3329
2200/J3
R3330
47/J3
R3331
33K/J3
R3332
2200/J3
R3333
47/J3
R3334
47/J3
R3335
2200/J3
R3336
47/J3
R3337
2200/J3
R3338
680/J3
R3339
680/J3
R3340
680/J3
R3341
680/J3
R3342
1000/RE7
R3343
1000/RE7
R3344
470/J3
R3345
1000/RE7
R3346
1000/RE7
R3347
470/J3
R3348
2200/J3
R3349
22K/J3
R3350
2200/J3
R3351
22K/J3
C3301
1/UFN
C3302
16V10/EVV(R)
C3303
16V22/EVV
C3304
16V22/EVV
C3305
6V33/EVV
C3306
0.1/UFV
C3307
0.1/UFV
C3308
0.1/UFV
C3309
0.1/UFV
C3310
0.1/UFV
C3311
0.1/UFV
C3312
0.1/UFV
C3313
0.01/UBV
C3314
PAT/UV
C3315
0.1/UFV
C3316
0.01/UBV
C3317
PAT/UV
C3318
6V33/EVV
C3319
6V33/EVV
C3320
8P/UV
C3321
0.01/UBV
C3322
47P/UV
C3323
8P/UV
C3324
47P/UV
C3325
16V10/EVV(R)
C3326
16V10/EVV(R)
C3327
0.1/UFV
C3328
0.1/UFV
C3329
PAT/UV
C3330
PAT/UV
(12)
PB
PR
GND
TG3301
EYF6CU

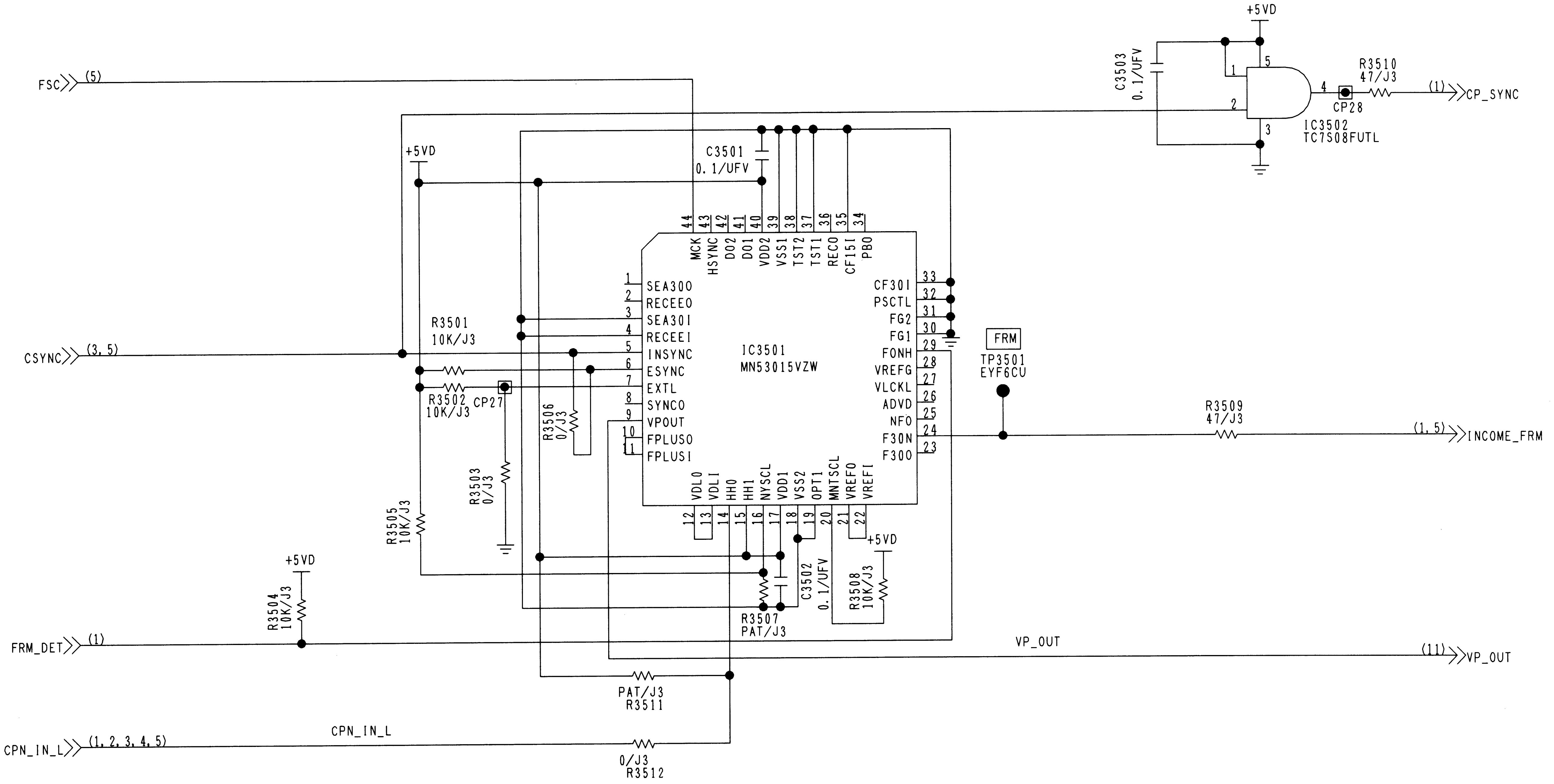
PAT=PATTERN ONLY

Ref No. 3300 Series.

COMPONENT NAME	VIDEO I/O (C DECODER)	04/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A89A/B	AJ-D95DC	
	SCM032	


CPN_IN_L
H2
CSYNC
SIG_DET_L
CLK135M
INCOME_FRM
DEC_C
PR_PLL
EVR_AXIS
YCLP_MM_N
BW_L
IN_HD
FSC
INSCH_H
INCF
NSTD_H
AXSV
AXSU
FSC4
IC3401 MM74HC221AML
IC3402 TC7W04FUTL
IC3403 DM74LS221SJX
IC3404 TC7W74FUTL
IC3405 UPD65013BC16
IC3406 TC7S00FUTL
IC3407 NJM319V-TE1
IC3408 TC7W04FUTL
IC3409 NJM082BV-TE1
IC3410 MC14053BDTEL
IC3411 NJM064V-TE1
IC3412 XC62AP5002PL
Q3401 2SC3931-CDTX
Q3402 2SD1819AQRTX
Q3403 2SD1819AQRTX
D3401 MA142K-GTX
X3401 VSX0270
FL3401 VLFD941C223T
FL3402 VLFD941C223T
VR3401 10K/VR5
VR3402 1K/VR5
VR3403 5K/VR5
VR3404 PAT/VR5
RSTW
SCH
SCH_P
TP1
TP2
BGP
AXIS
GND
INCF
NSTDH
INSCH
TP3401 EYF6CU
TP3402 EYF6CU
TP3403 EYF6CU
TP3404 EYF6CU
TP3405 EYF6CU
TP3406 EYF6CU
TP3407 EYF6CU
+5A
+5VA
+5.6VIN
-5.6VIN
-5VA
PAT=PATTERN ONLY
Ref No. 3400 Series

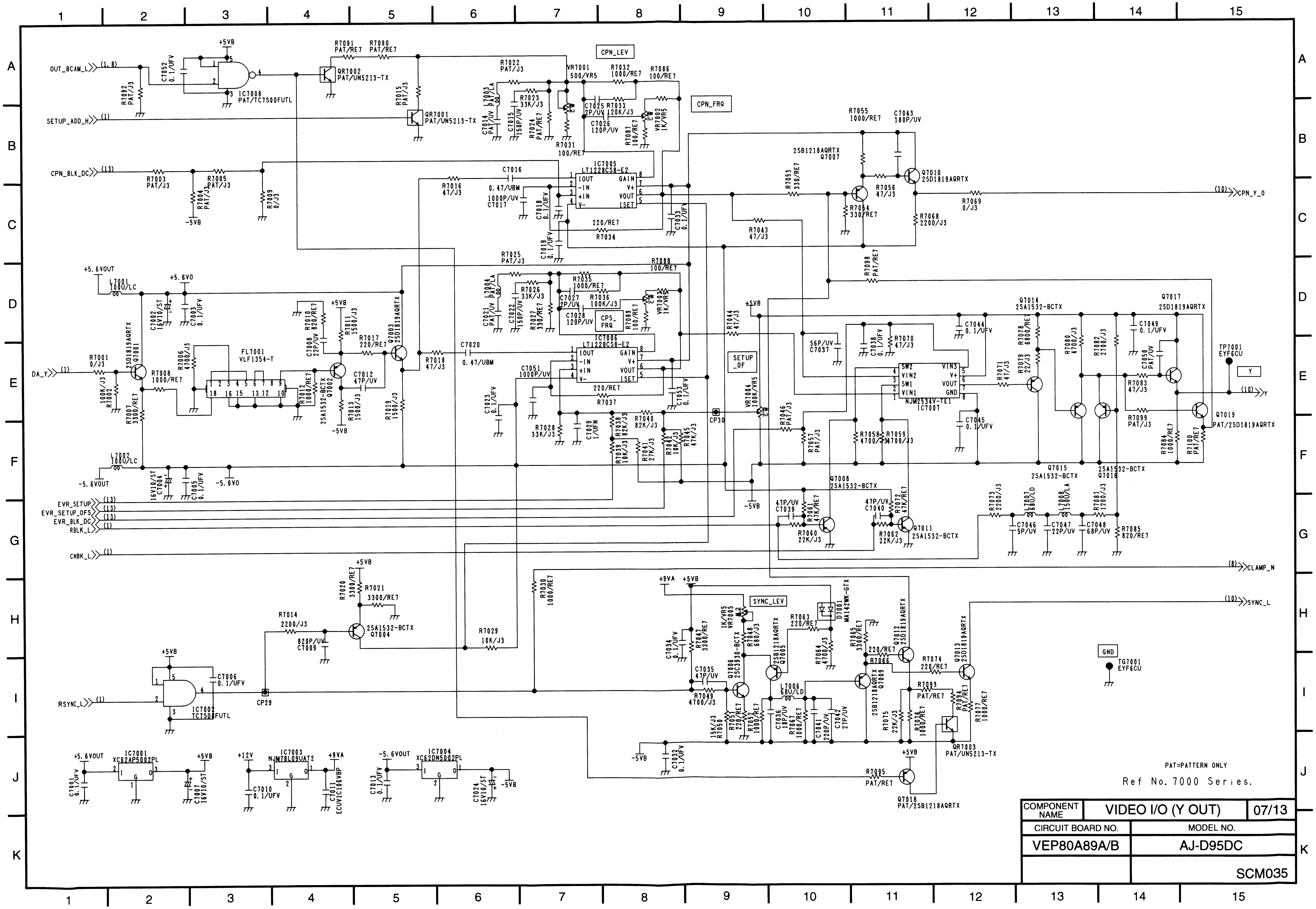
COMPONENT NAME	VIDEO I/O (CF DET)	05/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A89A/B	AJ-D95DC	
	SCM033	


FSC (5)
CSYNC (3, 5)
FRM_DET (1)
CPN_IN_L (1, 2, 3, 4, 5)
CPN_IN_L
+5VD
C3503 0.1/UFV
IC3502 TC7S08FUTL
R3510 47/J3
CP28
(1) CP_SYNC
C3501 0.1/UFV
R3501 10K/J3
R3502 10K/J3
CP27
R3506 0/J3
R3503 0/J3
R3505 10K/J3
R3504 10K/J3
IC3501 MN53015VZW
SEA300
RECEE0
SEA301
RECEE1
INSYNC
ESYNC
EXTL
SYNCO
VPOUT
FPLUS0
FPLUS1
MCK
HSYNC
DO2
DO1
VDD2
VSS1
TST2
TST1
RECO
CF151
PBO
CF301
PSCTL
FG2
FG1
FONH
VREFG
VLCKL
ADVD
NFO
F30N
F300
VDL0
VDL1
HH0
HH1
NYSCL
VDD1
VSS2
OPT1
MNTSCL
VREFO
VREFI
FRM
TP3501 EYF6CU
R3509 47/J3
(1, 5) INCOME_FRM
C3502 0.1/UFV
R3508 10K/J3
R3507 PAT/J3
VP_OUT
(11) VP_OUT
PAT/J3 R3511
0/J3 R3512

PAT=PATTERN ONLY

Ref No. 3500 Series

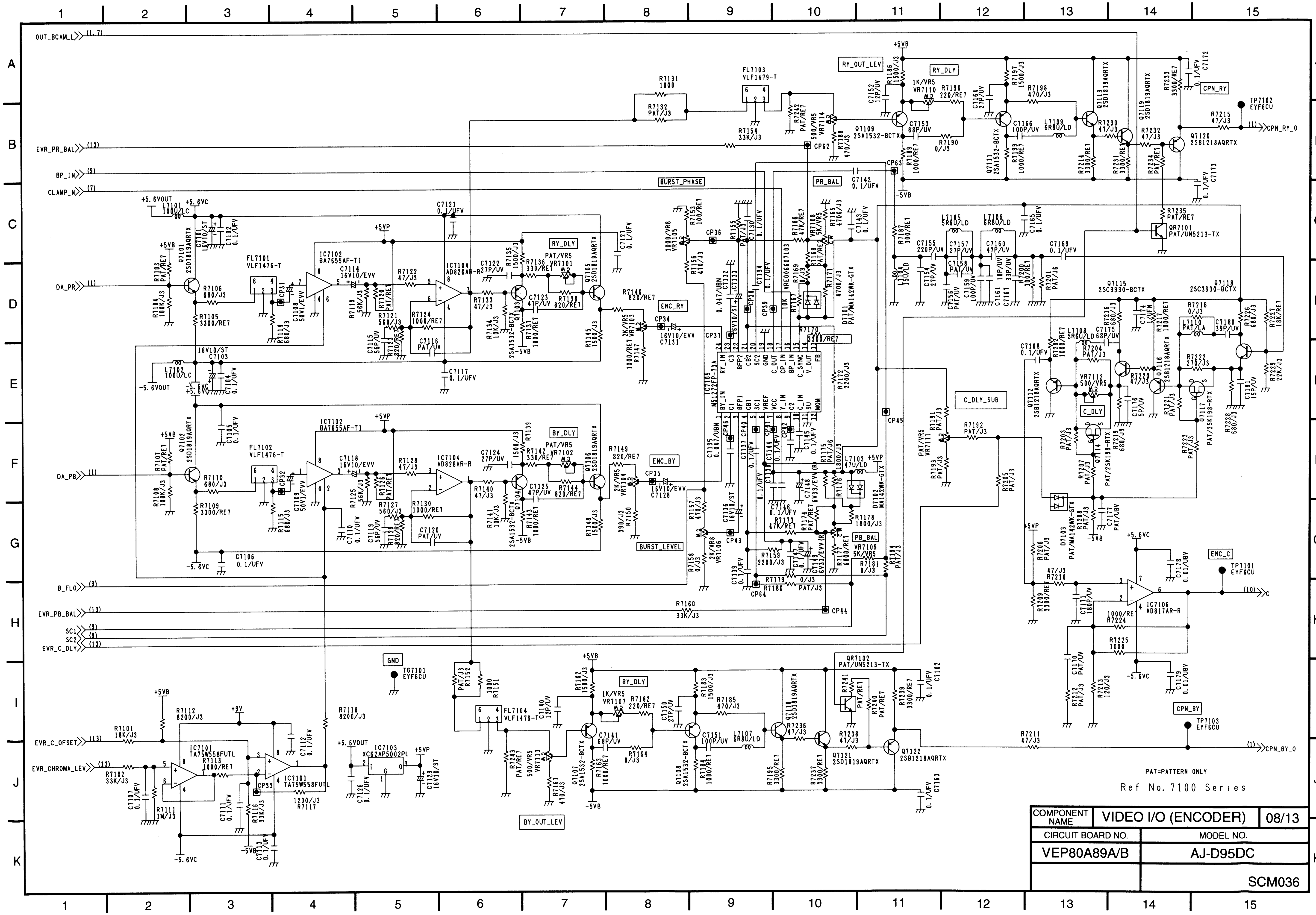
COMPONENT NAME	VIDEO I/O (BUFF OSC)	06/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A89A/B	AJ-D95DC	
	SCM034	


OUT_BCAM_L
SETUP_ADD_H
CPN_BLK_DC
DA_Y
EVR_SETUP
EVR_SETUP_OFS
EVR_BLK_DC
RBLK_L
CNBK_L
RSYNC_L
CPN_LEV
CPN_FRQ
CPS_FRQ
SETUP_OF
SYNC_LEV
CPN_Y_O
Y
CLAMP_N
SYNC_L
GND
IC7008 PAT/TC7S00FUTL
QR7002 PAT/UN5213-TX
QR7001 PAT/UN5213-TX
IC7005 LT1228CS8-E2
IC7006 LT1228CS8-E2
IC7007 NJM2534V-TE1
FL7001 VLF1354-T
IC7002 TC7S08FUTL
IC7001 XC62AP5002PL
IC7003 NJM78L09UAT2
IC7004 XC62DN5002PL
Q7001 2SD1819AQRTX
Q7002 2SA1532-BCTX
Q7003 2SD1819AQRTX
Q7004 2SA1532-BCTX
Q7007 2SB1218AQRTX
Q7010 2SD1819AQRTX
Q7014 2SA1532-BCTX
Q7017 2SD1819AQRTX
Q7019 PAT/2SD1819AQRTX
Q7015 2SA1532-BCTX
Q7016 2SA1532-BCTX
Q7008 2SA1532-BCTX
Q7011 2SA1532-BCTX
Q7006 2SC3930-BCTX
Q7005 2SB1218AQRTX
Q7009 2SB1218AQRTX
Q7012 2SD1819AQRTX
Q7013 2SD1819AQRTX
Q7018 PAT/2SB1218AQRTX
QR7003 PAT/UN5213-TX
D7001 MA142WK-GTX
TP7001 EYF6CU
TG7001 EYF6CU
CP29
CP30
VR7001 500/VR5
VR7002 1K/VR5
VR7003 1K/VR5
VR7004 1K/VR5
VR7005 1K/VR5
+5VB
+5.6VOUT
+5.6VO
-5.6VOUT
-5.6VO
-5VB
+9VA
+12V

PAT=PATTERN ONLY

Ref No. 7000 Series.

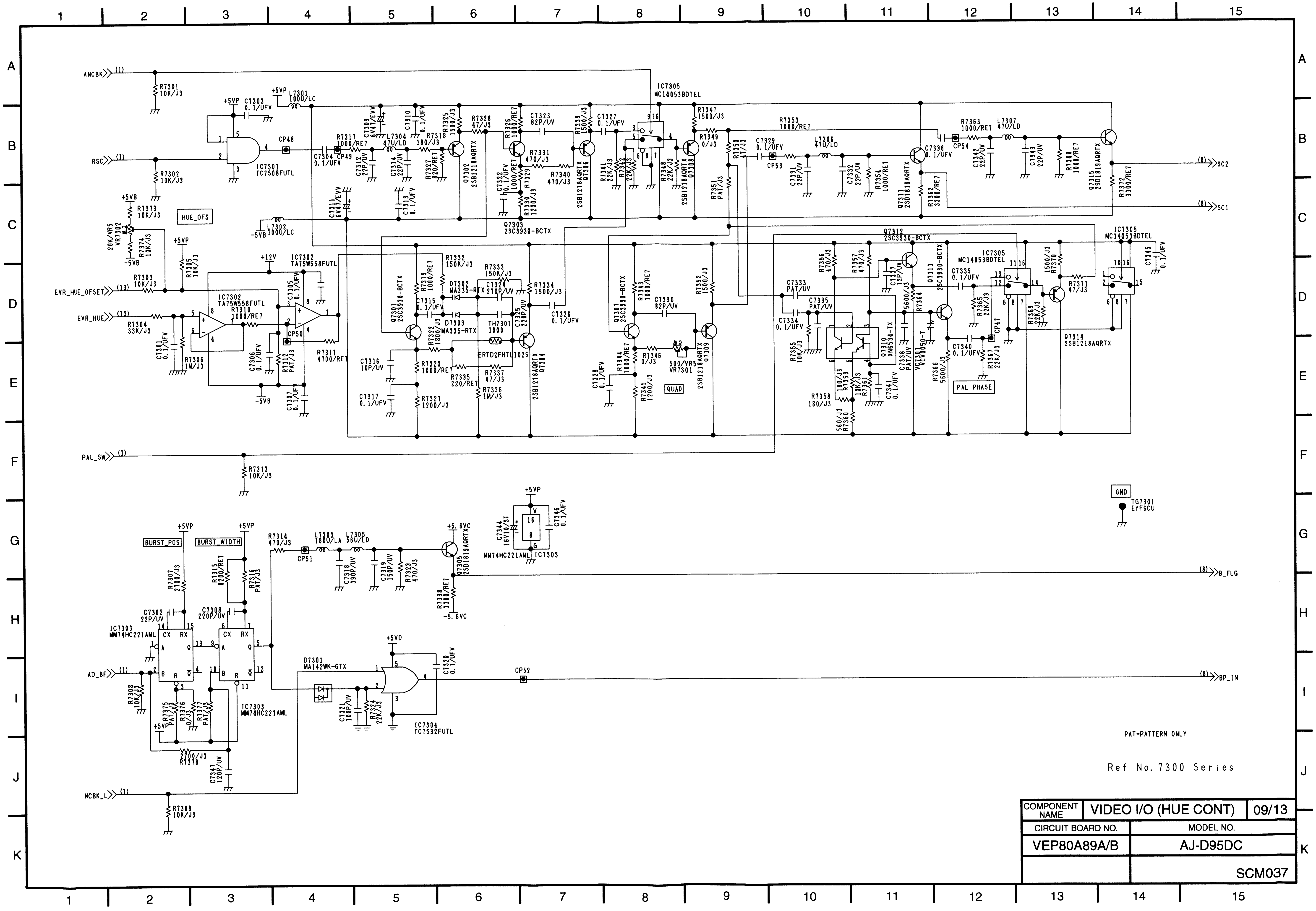
COMPONENT NAME	VIDEO I/O (Y OUT)	07/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A89A/B	AJ-D95DC	
	SCM035	


OUT_BCAM_L
EVR_PR_BAL
BP_IN
CLAMP_N
DA_PR
DA_PB
B_FLG
EVR_PB_BAL
SC1
SC2
EVR_C_DLY
EVR_C_OFSET
EVR_CHROMA_LEV
RY_OUT_LEV
RY_DLY
CPN_RY
CPN_RY_O
BURST_PHASE
PR_BAL
ENC_RY
ENC_BY
BY_DLY
BURST_LEVEL
PB_BAL
C_DLY_SUB
C_DLY
ENC_C
GND
BY_OUT_LEV
CPN_BY
CPN_BY_O
IC7101 TA75W558FUTL
IC7102 BA7655AF-T1
IC7103 XC62AP5002PL
IC7104 AD826AR-R
IC7105 M51272FP-73A
IC7106 AD817AR-R
FL7101 VLF1476-T
FL7102 VLF1476-T
FL7103 VLF1479-T
FL7104 VLF1479-T
TP7101 EYF6CU
TP7102 EYF6CU
TP7103 EYF6CU
TG7101 EYF6CU
+5VB
-5VB
+5.6VC
-5.6VC
+5VP
+9V

PAT=PATTERN ONLY

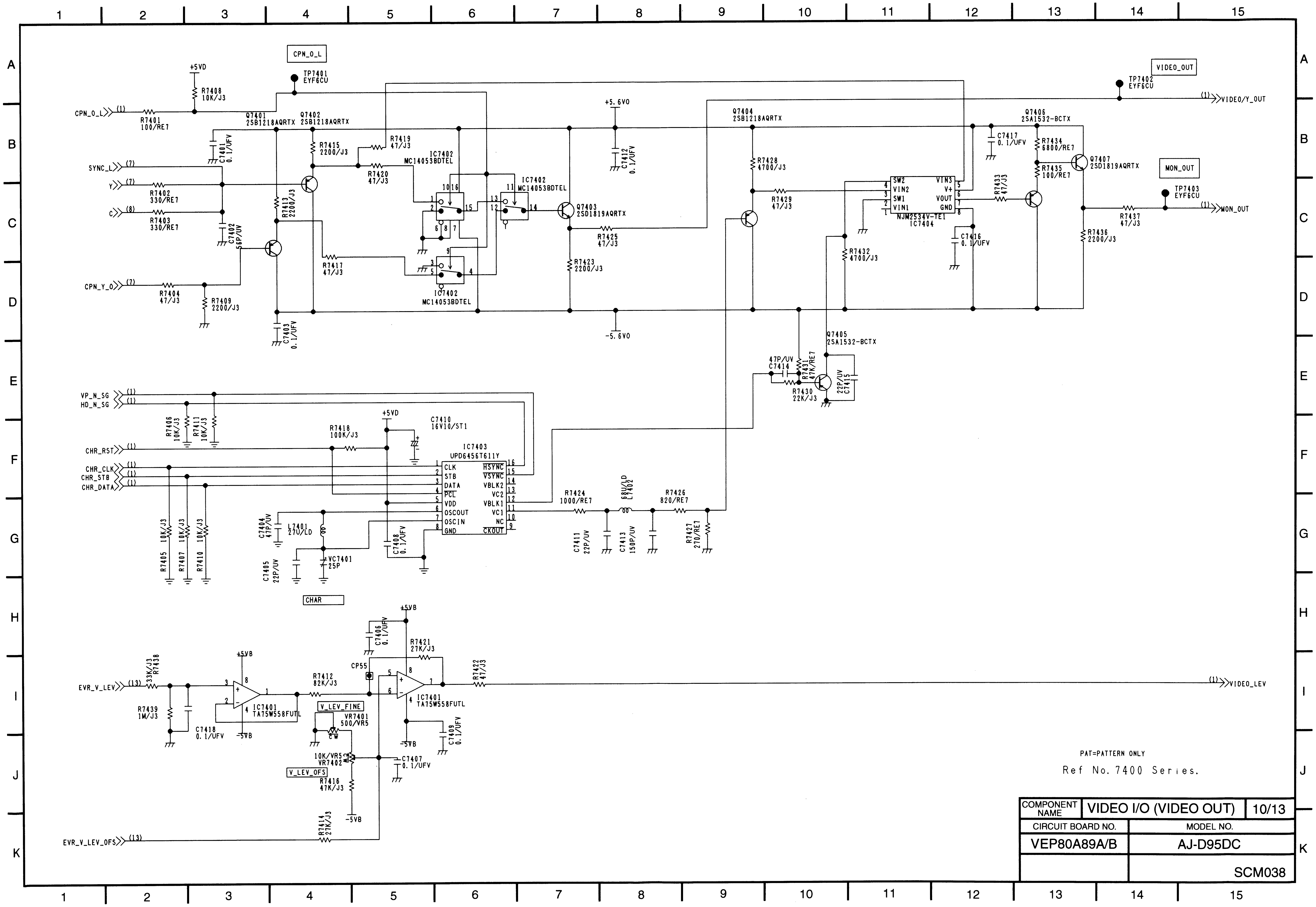
Ref No. 7100 Series

COMPONENT NAME	VIDEO I/O (ENCODER)	08/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A89A/B	AJ-D95DC	
	SCM036	


ANCBK (1)
R7301 10K/J3
RSC (1)
R7302 10K/J3
+5VP
C7303 0.1/UFV
IC7301 TC7S08FUTL
CP48
L7301 1000/LC
C7304 0.1/UFV
CP49
R7317 1000/RE7
L7304 47U/LD
C7309 6V47/EVV
C7310 0.1/UFV
C7312 22P/UV
C7314 22P/UV
C7313 0.1/UFV
R7318 180/J3
R7327 820/RE7
R7325 1500/J3
Q7302 2SB1218AQRTX
R7328 47/J3
R7326 1000/RE7
C7322 0.1/UFV
R7329 1000/RE7
R7330 1200/J3
Q7303 2SC3930-BCTX
C7323 82P/UV
R7331 470/J3
R7340 470/J3
R7339 1500/J3
Q7306 2SB1218AQRTX
C7327 0.1/UFV
R7341 22K/J3
R7342 22K/J3
IC7305 MC14053BDTEL
R7347 1500/J3
R7348 22K/J3
R7349 0/J3
Q7308 2SB1218AQRTX
R7350 47/J3
R7351 PAT/J3
R7353 1000/RE7
C7329 0.1/UFV
CP53
L7306 47U/LD
C7331 22P/UV
C7332 22P/UV
R7354 1000/RE7
Q7311 2SD1819AQRTX
C7336 0.1/UFV
R7362 3300/RE7
CP54
R7363 1000/RE7
L7307 47U/LD
C7342 22P/UV
C7343 22P/UV
R7368 1000/RE7
Q7315 2SD1819AQRTX
R7372 3300/RE7
(8) SC2
(8) SC1
+5VB
R7373 10K/J3
VR7302 20K/VR5
R7374 10K/J3
-5VB
HUE_OFS
L7302 1000/LC
C7311 6V47/EVV
+5VP
R7305 10K/J3
R7303 10K/J3
EVR_HUE_OFSET (13)
EVR_HUE (13)
R7304 33K/J3
C7301 0.1/UFV
R7306 1M/J3
+12V
IC7302 TA75W558FUTL
R7310 1000/RE7
C7305 0.1/UFV
C7306 0.1/UFV
R7312 PAT/J3
CP50
-5VB
C7307 0.1/UFV
R7311 4700/RE7
Q7301 2SC3930-BCTX
R7319 1000/RE7
R7332 150K/J3
D7302 MA335-RTX
C7315 0.1/UFV
D7303 MA335-RTX
R7322 1800/J3
R7333 150K/J3
C7324 270P/UV
TH7301 1000 ERTD2FHTL1025
C7325 220P/UV
R7334 1500/J3
Q7304 2SB1218AQRTX
C7326 0.1/UFV
C7316 10P/UV
C7317 0.1/UFV
R7320 1000/RE7
R7321 1200/J3
R7335 220/RE7
R7337 47/J3
R7336 1M/J3
Q7307 2SC3930-BCTX
R7343 1000/RE7
C7330 82P/UV
R7352 1500/J3
R7344 1000/RE7
R7346 0/J3
VR7301 500/VR5
Q7309 2SB1218AQRTX
C7328 0.1/UFV
R7345 1200/J3
QUAD
Q7312 2SC3930-BCTX
C7333 PAT/UV
C7335 PAT/UV
C7334 0.1/UFV
R7355 10K/J3
R7356 470/J3
R7357 470/J3
C7337 12P/UV
R7364 5600/J3
Q7310 XN6534-TX
C7338 PAT/UV
VC7301 VC050-T
R7358 180/J3
R7359 180/J3
R7360 560/J3
R7361 10K/J3
C7341 0.1/UFV
Q7313 2SC3930-BCTX
C7339 0.1/UFV
R7365 22K/J3
R7366 5600/J3
C7340 0.1/UFV
R7367 22K/J3
CP47
PAL PHASE
IC7305 MC14053BDTEL
R7369 22K/J3
R7370 1500/J3
R7371 47/J3
Q7314 2SB1218AQRTX
C7345 0.1/UFV
PAL_SW (1)
R7313 10K/J3
GND
TG7301 EYF6CU
+5VP
C7344 16V10/ST
C7346 0.1/UFV
MM74HC221AML IC7303
BURST_POS
BURST_WIDTH
R7307 2700/J3
R7315 8200/RE7
R7316 PAT/J3
C7302 22P/UV
C7308 220P/UV
IC7303 MM74HC221AML
AD_BF (1)
R7308 10K/J3
R7375 PAT/J3
R7376 0/J3
R7377 PAT/J3
R7378 2700/J3
C7347 120P/UV
R7314 470/J3
CP51
L7303 1800/LA
L7305 560/LD
C7318 390P/UV
C7319 150P/UV
R7323 470/J3
+5.6VC
Q7305 2SD1819AQRTX
R7338 3300/RE7
-5.6VC
(8) B_FLG
D7301 MA142WK-GTX
+5VD
C7320 0.1/UFV
C7321 100P/UV
R7324 22K/J3
IC7304 TC7S32FUTL
CP52
(8) BP_IN
NCBK_L (1)
R7309 10K/J3
PAT=PATTERN ONLY

Ref No. 7300 Series

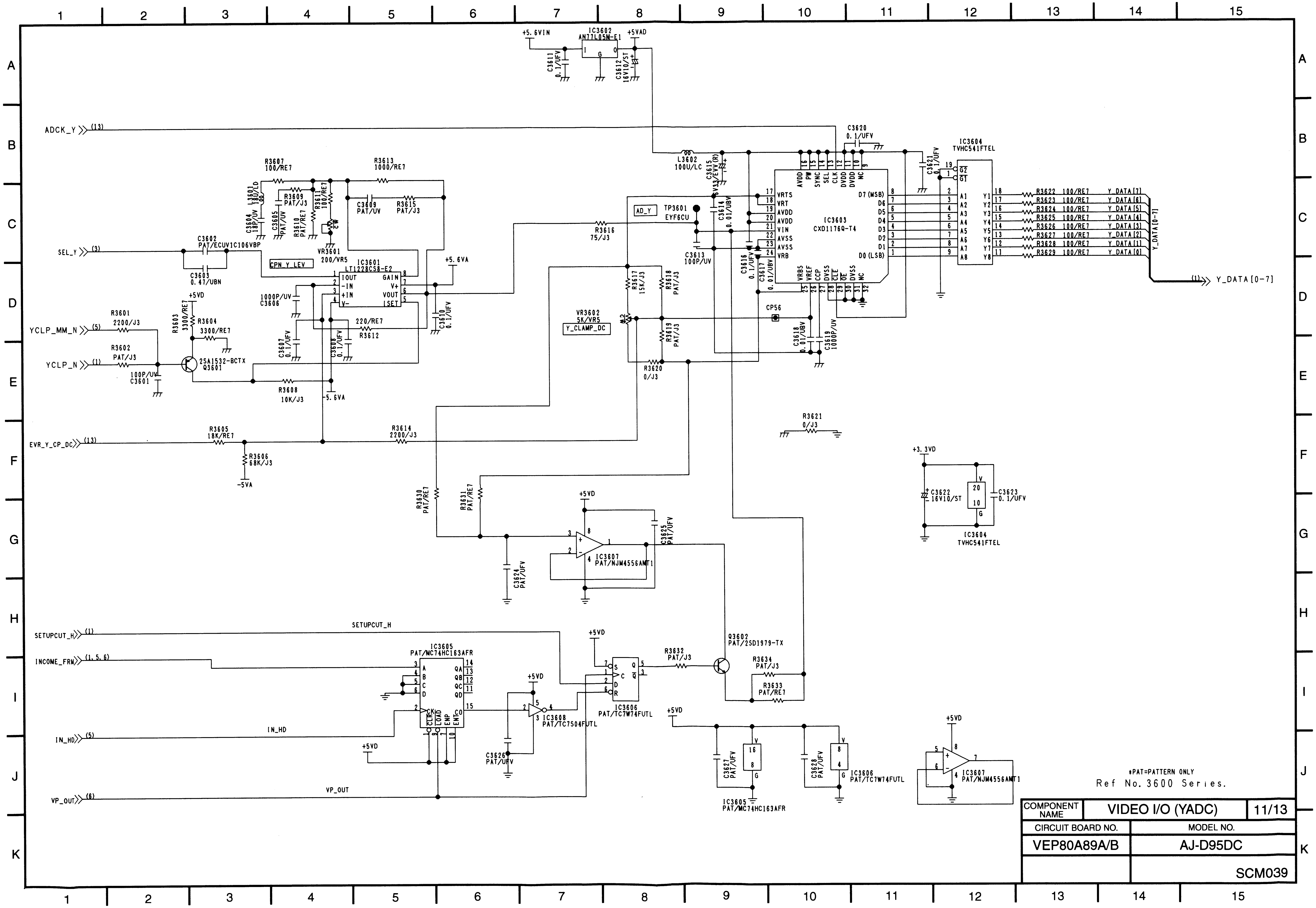
COMPONENT NAME	VIDEO I/O (HUE CONT)	09/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A89A/B	AJ-D95DC	
	SCM037	


CPN_O_L
TP7401
EYF6CU
+5VD
R7408
10K/J3
CPN_O_L
R7401
100/RE7
Q7401
2SB1218AQRTX
Q7402
2SB1218AQRTX
C7401
0.1/UFV
R7415
2200/J3
R7419
47/J3
R7420
47/J3
IC7402
MC14053BDTEL
SYNC_L
Y
C
R7402
330/RE7
R7403
330/RE7
C7402
56P/UV
R7413
2200/J3
R7417
47/J3
CPN_Y_O
R7404
47/J3
R7409
2200/J3
C7403
0.1/UFV
IC7402
MC14053BDTEL
IC7402
MC14053BDTEL
Q7403
2SD1819AQRTX
+5.6VO
C7412
0.1/UFV
R7425
47/J3
R7423
2200/J3
-5.6VO
Q7404
2SB1218AQRTX
R7428
4700/J3
R7429
47/J3
SW2
VIN2
SW1
VIN1
VIN3
V+
VOUT
GND
NJM2534V-TE1
IC7404
C7416
0.1/UFV
R7432
4700/J3
Q7405
2SA1532-BCTX
47P/UV
C7414
R7431
47K/RE7
R7430
22K/J3
22P/UV
C7415
Q7406
2SA1532-BCTX
C7417
0.1/UFV
R7434
6800/RE7
R7435
100/RE7
R7433
47/J3
Q7407
2SD1819AQRTX
R7436
2200/J3
VIDEO_OUT
TP7402
EYF6CU
VIDEO/Y_OUT
MON_OUT
TP7403
EYF6CU
R7437
47/J3
MON_OUT
VP_N_SG
HD_N_SG
R7406
10K/J3
R7411
10K/J3
CHR_RST
CHR_CLK
CHR_STB
CHR_DATA
R7418
100K/J3
+5VD
C7410
16V10/ST1
IC7403
UPD6456T611Y
CLK
STB
DATA
PCL
VDD
OSCOUT
OSCIN
GND
HSYNC
VSYNC
VBLK2
VC2
VBLK1
VC1
NC
CKOUT
C7404
47P/UV
L7401
27U/LD
C7408
0.1/UFV
C7405
22P/UV
VC7401
25P
R7405
10K/J3
R7407
10K/J3
R7410
10K/J3
R7424
1000/RE7
L7402
68U/LD
R7426
820/RE7
C7411
22P/UV
C7413
150P/UV
R7427
270/RE7
CHAR
+5VB
C7406
0.1/UFV
R7421
27K/J3
EVR_V_LEV
R7438
33K/J3
R7439
1M/J3
C7418
0.1/UFV
+5VB
IC7401
TA75W558FUTL
-5VB
R7412
82K/J3
CP55
IC7401
TA75W558FUTL
-5VB
C7409
0.1/UFV
R7422
47/J3
VIDEO_LEV
V_LEV_FINE
VR7401
500/VR5
CW
10K/VR5
VR7402
V_LEV_OFS
R7416
47K/J3
-5VB
C7407
0.1/UFV
EVR_V_LEV_OFS
R7414
27K/J3

PAT=PATTERN ONLY

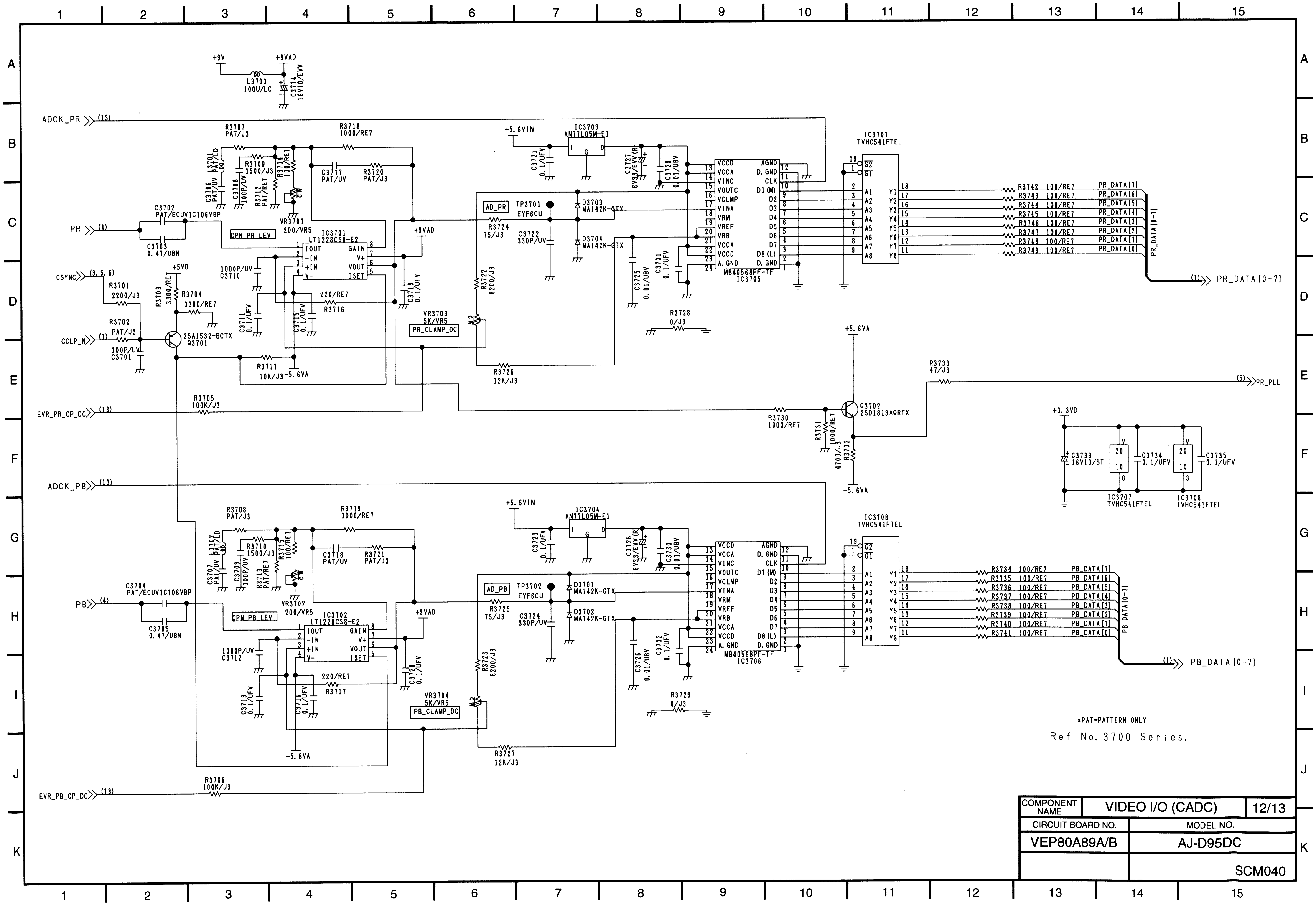
Ref No. 7400 Series.

COMPONENT NAME	VIDEO I/O (VIDEO OUT)	10/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A89A/B	AJ-D95DC	
	SCM038	



ADCK_Y (13)
SEL_Y (3)
YCLP_MM_N (5)
YCLP_N (1)
EVR_Y_CP_DC (13)
SETUPCUT_H (1)
SETUPCUT_H
INCOME_FRM (1, 5, 6)
IN_HD (5)
IN_HD
VP_OUT (6)
VP_OUT
(1) Y_DATA [0-7]
IC3602 AN77L05M-E1
+5.6VIN
+5VAD
C3611 0.1/UFV
C3612 16V10/ST
L3602 100U/LC
C3615 6V33/EVV(R)
C3620 0.1/UFV
C3621 0.1/UFV
IC3603 CXD1176Q-T4
IC3604 TVHC541FTEL
R3622 100/RE7
R3623 100/RE7
R3624 100/RE7
R3625 100/RE7
R3626 100/RE7
R3627 100/RE7
R3628 100/RE7
R3629 100/RE7
Y_DATA [7]
Y_DATA [6]
Y_DATA [5]
Y_DATA [4]
Y_DATA [3]
Y_DATA [2]
Y_DATA [1]
Y_DATA [0]
D7 (MSB)
D0 (LSB)
TP3601 EYF6CU
AD_Y
R3616 75/J3
C3613 100P/UV
C3614 0.01/UBV
C3616 0.1/UFV
C3617 0.01/UBV
C3618 0.01/UBV
C3619 1000P/UV
CP56
R3607 100/RE7
R3613 1000/RE7
R3609 PAT/J3
R3611 100/RE7
R3610 PAT/RE7
R3615 PAT/J3
C3609 PAT/UV
C3605 PAT/UV
C3604 18P/UV
L3601 180/LD
VR3601 200/VR5
C3602 PAT/ECUV1C106VBP
C3603 0.47/UBN
CPN_Y_LEV
IC3601 LT1228CS8-E2
+5.6VA
-5.6VA
C3606 1000P/UV
C3607 0.1/UFV
C3608 0.1/UFV
C3610 0.1/UFV
R3612 220/RE7
R3601 2200/J3
R3602 PAT/J3
R3603 3300/RE7
R3604 3300/RE7
+5VD
C3601 100P/UV
Q3601 2SA1532-BCTX
R3608 10K/J3
R3605 18K/RE7
R3606 68K/J3
-5VA
R3614 2200/J3
R3617 15K/J3
R3618 PAT/J3
R3619 PAT/J3
R3620 0/J3
VR3602 5K/VR5
Y_CLAMP_DC
R3621 0/J3
R3630 PAT/RE7
R3631 PAT/RE7
C3624 PAT/UFV
C3625 PAT/UFV
IC3607 PAT/NJM4556AMT1
+3.3VD
C3622 16V10/ST
C3623 0.1/UFV
IC3604 TVHC541FTEL
IC3605 PAT/MC74HC163AFR
IC3608 PAT/TC7S04FUTL
C3626 PAT/UFV
IC3606 PAT/TC7W74FUTL
R3632 PAT/J3
Q3602 PAT/2SD1979-TX
R3634 PAT/J3
R3633 PAT/RE7
C3627 PAT/UFV
C3628 PAT/UFV
IC3605 PAT/MC74HC163AFR
IC3606 PAT/TC7W74FUTL
IC3607 PAT/NJM4556AMT1
*PAT=PATTERN ONLY
Ref No. 3600 Series.

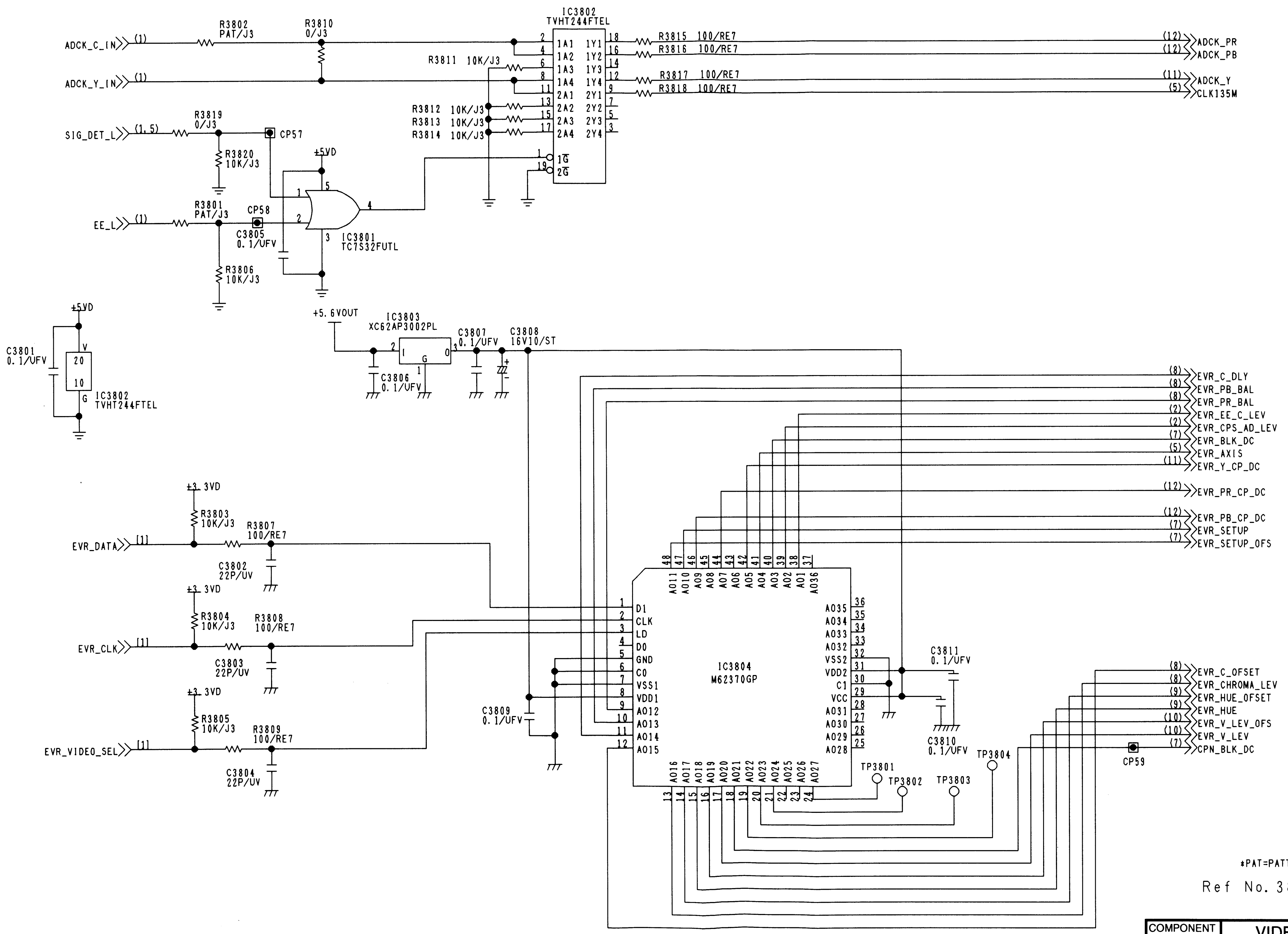
COMPONENT NAME	VIDEO I/O (YADC)	11/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A89A/B	AJ-D95DC	
	SCM039	


ADCK_PR (13)
PR (4)
CSYNC (3, 5, 6)
CCLP_N (1)
EVR_PR_CP_DC (13)
ADCK_PB (13)
PB (4)
EVR_PB_CP_DC (13)
+9V
+9VAD
L3703 100U/LC
C3714 16V10/EVV
IC3701 LT1228CS8-E2
IC3702 LT1228CS8-E2
IC3703 AN77L05M-E1
IC3704 AN77L05M-E1
IC3705 MB40568PF-TF
IC3706 MB40568PF-TF
IC3707 TVHC541FTEL
IC3708 TVHC541FTEL
Q3701 2SA1532-BCTX
Q3702 2SD1819AQRTX
VR3701 200/VR5
VR3702 200/VR5
VR3703 5K/VR5
VR3704 5K/VR5
CPN_PR_LEV
CPN_PB_LEV
PR_CLAMP_DC
PB_CLAMP_DC
AD_PR
AD_PB
TP3701 EYF6CU
TP3702 EYF6CU
D3701 MA142K-GTX
D3702 MA142K-GTX
D3703 MA142K-GTX
D3704 MA142K-GTX
+5.6VIN
+5.6VA
-5.6VA
+5VD
+3.3VD
R3733 47/J3
(5) PR_PLL
(1) PR_DATA [0-7]
(1) PB_DATA [0-7]
PR_DATA [7]
PR_DATA [6]
PR_DATA [5]
PR_DATA [4]
PR_DATA [3]
PR_DATA [2]
PR_DATA [1]
PR_DATA [0]
PB_DATA [7]
PB_DATA [6]
PB_DATA [5]
PB_DATA [4]
PB_DATA [3]
PB_DATA [2]
PB_DATA [1]
PB_DATA [0]

*PAT=PATTERN ONLY

Ref No. 3700 Series.

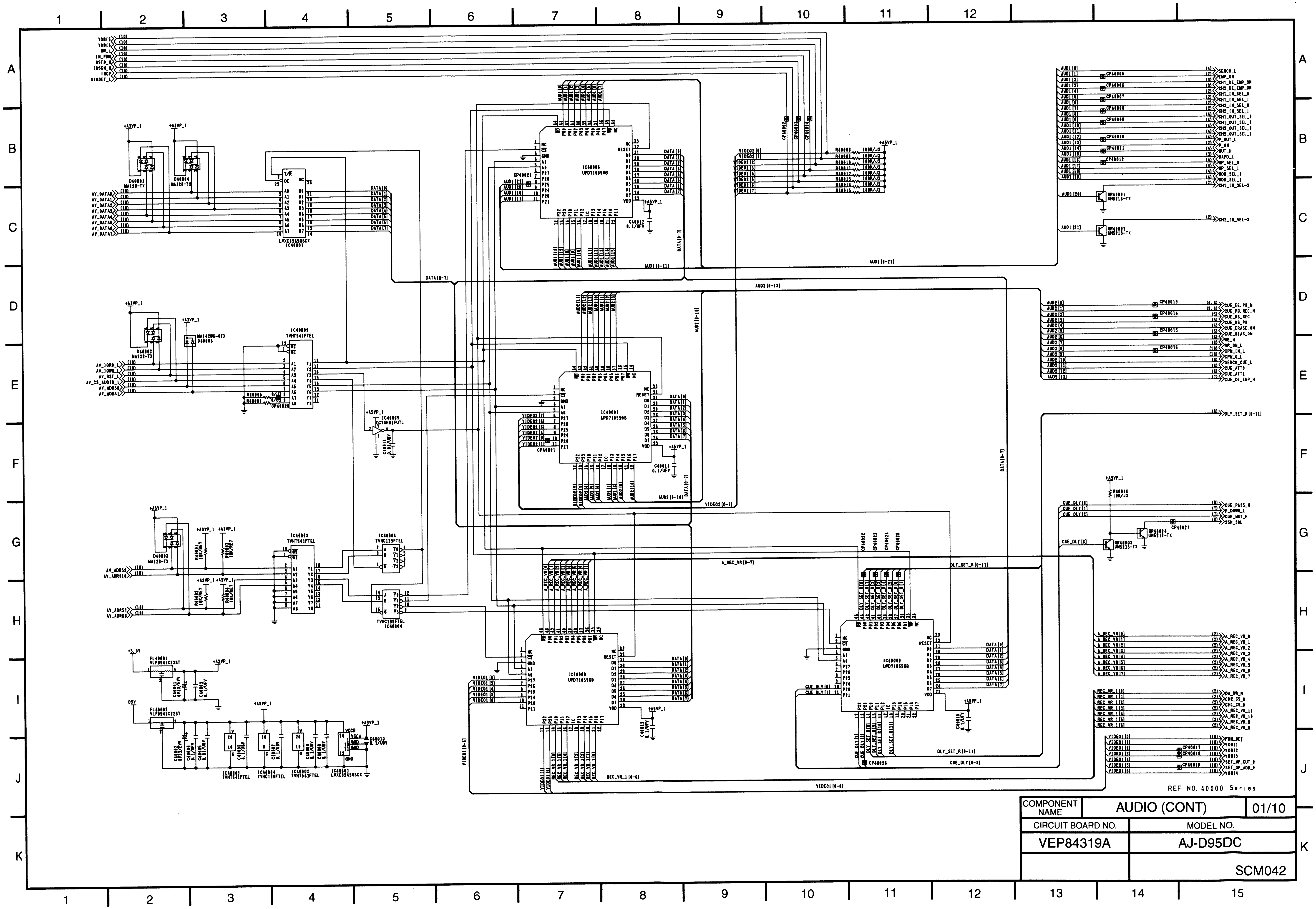
COMPONENT NAME	VIDEO I/O (CADC)	12/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A89A/B	AJ-D95DC	
	SCM040	


ADCK_C_IN (1)
R3802 PAT/J3
R3810 0/J3
IC3802 TVHT244FTEL
1A1 1A2 1A3 1A4 2A1 2A2 2A3 2A4
1Y1 1Y2 1Y3 1Y4 2Y1 2Y2 2Y3 2Y4
1G 2G
R3815 100/RE7
R3816 100/RE7
R3817 100/RE7
R3818 100/RE7
(12) ADCK_PR
(12) ADCK_PB
(11) ADCK_Y
(5) CLK135M
ADCK_Y_IN (1)
R3811 10K/J3
R3812 10K/J3
R3813 10K/J3
R3814 10K/J3
SIG_DET_L (1,5)
R3819 0/J3
CP57
R3820 10K/J3
+5VD
EE_L (1)
R3801 PAT/J3
CP58
C3805 0.1/UFV
IC3801 TC7S32FUTL
R3806 10K/J3
+5VD
C3801 0.1/UFV
IC3802 TVHT244FTEL
+5.6VOUT
IC3803 XC62AP3002PL
C3806 0.1/UFV
C3807 0.1/UFV
C3808 16V10/ST
(8) EVR_C_DLY
(8) EVR_PB_BAL
(8) EVR_PR_BAL
(2) EVR_EE_C_LEV
(2) EVR_CPS_AD_LEV
(7) EVR_BLK_DC
(5) EVR_AXIS
(11) EVR_Y_CP_DC
(12) EVR_PR_CP_DC
(12) EVR_PB_CP_DC
(7) EVR_SETUP
(7) EVR_SETUP_OFS
+3.3VD
R3803 10K/J3
R3807 100/RE7
EVR_DATA [1]
C3802 22P/UV
+3.3VD
R3804 10K/J3
R3808 100/RE7
EVR_CLK [1]
C3803 22P/UV
+3.3VD
R3805 10K/J3
R3809 100/RE7
EVR_VIDEO_SEL [1]
C3804 22P/UV
C3809 0.1/UFV
IC3804 M62370GP
DI CLK LD DO GND CO VSS1 VDD1 AO12 AO13 AO14 AO15
AO11 AO10 AO9 AO8 AO7 AO6 AO5 AO4 AO3 AO2 AO1 AO36
AO35 AO34 AO33 AO32 VSS2 VDD2 C1 VCC AO31 AO30 AO29 AO28
AO16 AO17 AO18 AO19 AO20 AO21 AO22 AO23 AO24 AO25 AO26 AO27
C3811 0.1/UFV
C3810 0.1/UFV
TP3801
TP3802
TP3803
TP3804
CP59
(8) EVR_C_OFSET
(8) EVR_CHROMA_LEV
(9) EVR_HUE_OFSET
(9) EVR_HUE
(10) EVR_V_LEV_OFS
(10) EVR_V_LEV
(7) CPN_BLK_DC

*PAT=PATTERN ONLY

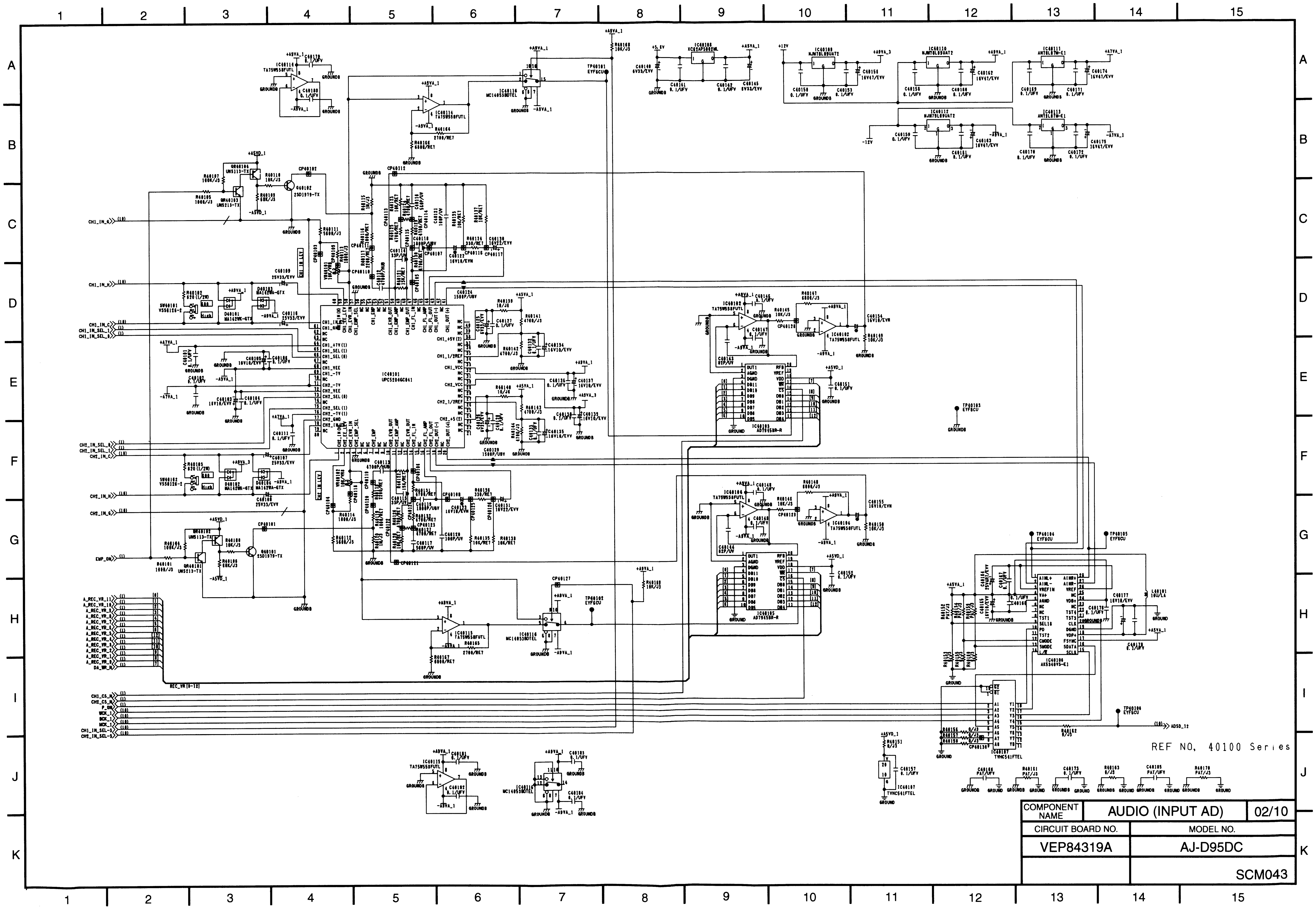
Ref No. 3800 Series.

COMPONENT NAME	VIDEO I/O (EVR)	13/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP80A89A/B	AJ-D95DC	
	SCM041	


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
H
I
J
K
IC40001
LVXC3245QSCX
IC40002
TVHT541FTEL
IC40003
TVHT541FTEL
IC40004
TVHC139FTEL
IC40005
TC7SH08FUTL
IC40006
UPD7105560B
IC40007
IC40008
IC40009
DATA[0-7]
AUD1[0-21]
AUD2[0-13]
VIDEO1[0-6]
VIDEO2[0-7]
A_REC_VR[0-7]
REC_VR_1[0-6]
DLY_SET_R[0-11]
CUE_DLY[0-3]
+A5VP_1
AV_DATA0
AV_DATA1
AV_DATA2
AV_DATA3
AV_DATA4
AV_DATA5
AV_DATA6
AV_DATA7
AV_IORD_L
AV_IOWR_L
AV_RST_L
AV_CS_AUDIO_L
AV_ADRS0
AV_ADRS1
AV_ADRS8
AV_ADRS10
AV_ADRS9
FL40001
FL40002
+3.3V
D5V

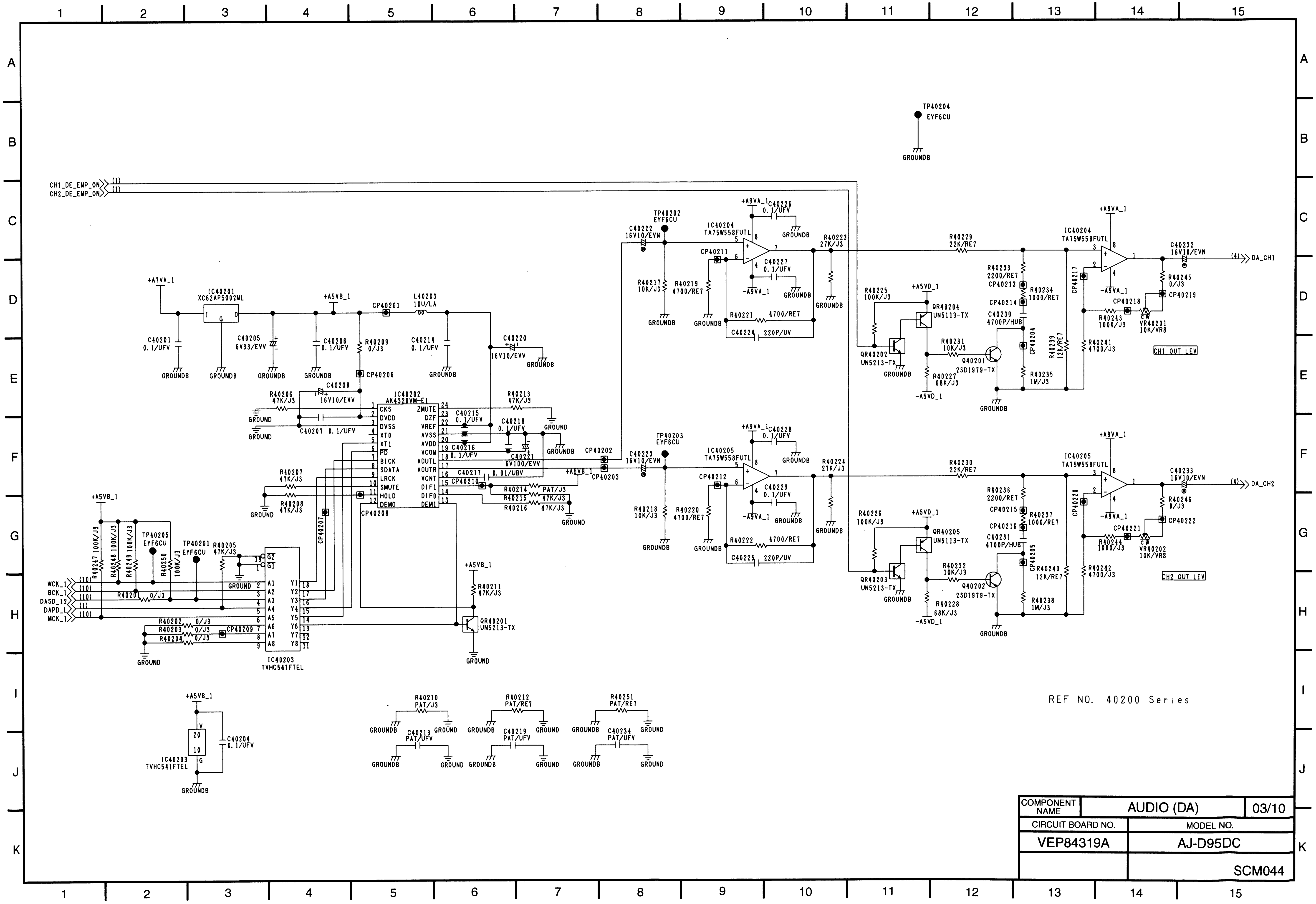
REF NO. 40000 Series

COMPONENT NAME	AUDIO (CONT)	01/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP84319A	AJ-D95DC	
	SCM042	


CH1_IN_G
CH1_IN_H
CH1_IN_C
CH1_IN_SEL_L
CH1_IN_SEL_H
CH2_IN_SEL_H
CH2_IN_SEL_L
CH2_IN_C
CH2_IN_H
CH2_IN_G
EMP_ON
CH1_CS_N
CH2_CS_N
P_ON
WCK_1
BCK_1
MCK_1
CH1_IN_SEL-G
CH2_IN_SEL-G
REC_VR[0-12]
IC40101
UPC5204GC841
IC40104
AD7865BR-R
IC40105
AD7865BR-R
IC40106
AK5340VS-E1
IC40107
TVHC541FTEL
ADSD_12
GROUNDB
+A5VA_1
-A5VA_1
+A5VD_1

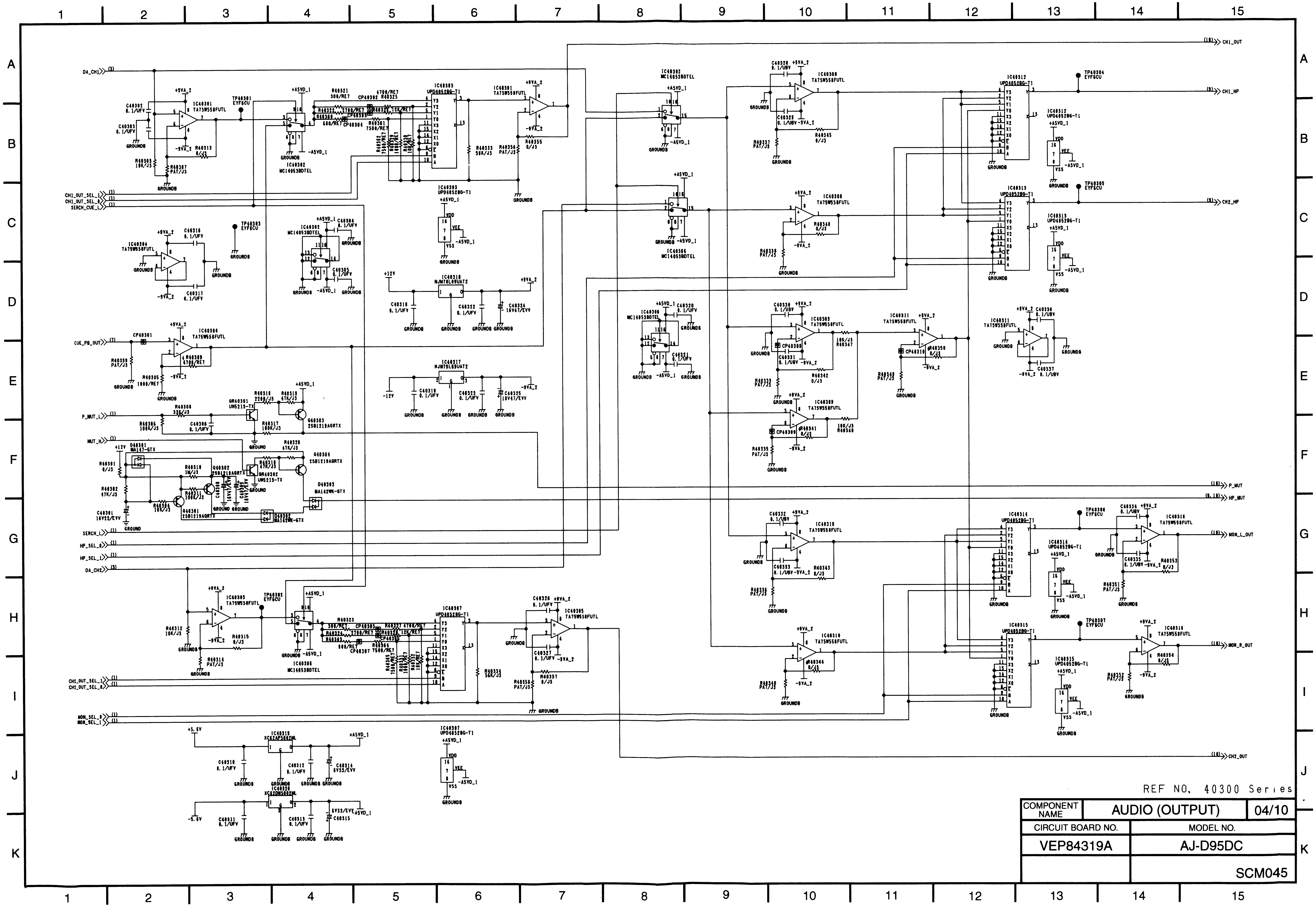
REF NO, 40100 Series

COMPONENT NAME	AUDIO (INPUT AD)	02/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP84319A	AJ-D95DC	
	SCM043	


CH1_DE_EMP_ON (1)
CH2_DE_EMP_ON (1)
TP40204 EYF6CU
GROUNDB
+A7VA_1
IC40201 XC62AP5002ML
C40201 0.1/UFV
C40205 6V33/EVV
+A5VB_1
C40206 0.1/UFV
R40209 0/J3
CP40206
CP40201
L40203 10U/LA
C40214 0.1/UFV
C40220 16V10/EVV
R40206 47K/J3
C40208 16V10/EVV
C40207 0.1/UFV
IC40202 AK4320VM-E1
CKS DVDD DVSS XT0 XT1 PD BICK SDATA LRCK SMUTE HOLD DEMO
ZMUTE DZF VREF AVSS AVDD VCOM AOUTL AOUTR VCNT DIF1 DIF0 DEM1
C40215 0.1/UFV
C40218 0.1/UFV
C40216 0.1/UFV
C40221 6V100/EVV
C40217 0.01/UBV
CP40210
R40213 47K/J3
R40214 PAT/J3
R40215 47K/J3
R40216 47K/J3
CP40202
CP40203
R40207 47K/J3
R40208 47K/J3
CP40207
CP40208
GROUND
+A5VB_1
R40247 100K/J3
R40248 100K/J3
R40249 100K/J3
TP40205 EYF6CU
R40250 100K/J3
TP40201 EYF6CU
R40205 47K/J3
WCK_1 (10)
BCK_1 (10)
DASD_12 (10)
DAPD_L (1)
MCK_1 (10)
R40201 0/J3
R40202 0/J3
R40203 0/J3
R40204 0/J3
CP40209
IC40203 TVHC541FTEL
+A5VB_1
R40211 47K/J3
QR40201 UN5213-TX
TP40202 EYF6CU
C40222 16V10/EVN
R40217 10K/J3
R40219 4700/RE7
+A9VA_1
C40226 0.1/UFV
IC40204 TA75W558FUTL
CP40211
C40227 0.1/UFV
-A9VA_1
R40221 4700/RE7
C40224 220P/UV
R40223 27K/J3
R40229 22K/RE7
R40225 100K/J3
+A5VD_1
QR40204 UN5113-TX
QR40202 UN5213-TX
R40231 10K/J3
Q40201 2SD1979-TX
R40227 68K/J3
-A5VD_1
R40233 2200/RE7
CP40213
CP40214
R40234 1000/RE7
C40230 4700P/HUB
CP40204
R40235 1M/J3
R40239 12K/RE7
R40241 4700/J3
CP40217
R40243 1000/J3
CP40218
VR40201 10K/VR8
C40232 16V10/EVN
R40245 0/J3
CP40219
(4) DA_CH1
CH1 OUT LEV
TP40203 EYF6CU
C40223 16V10/EVN
R40218 10K/J3
R40220 4700/RE7
C40228 0.1/UFV
IC40205 TA75W558FUTL
CP40212
C40229 0.1/UFV
R40222 4700/RE7
C40225 220P/UV
R40224 27K/J3
R40230 22K/RE7
R40226 100K/J3
QR40205 UN5113-TX
QR40203 UN5213-TX
R40232 10K/J3
Q40202 2SD1979-TX
R40228 68K/J3
R40236 2200/RE7
CP40215
CP40216
R40237 1000/RE7
C40231 4700P/HUB
CP40205
R40240 12K/RE7
R40242 4700/J3
R40238 1M/J3
CP40220
R40244 1000/J3
CP40221
VR40202 10K/VR8
C40233 16V10/EVN
R40246 0/J3
CP40222
(4) DA_CH2
CH2 OUT LEV
IC40203 TVHC541FTEL
C40204 0.1/UFV
R40210 PAT/J3
C40213 PAT/UFV
R40212 PAT/RE7
C40219 PAT/UFV
R40251 PAT/RE7
C40234 PAT/UFV

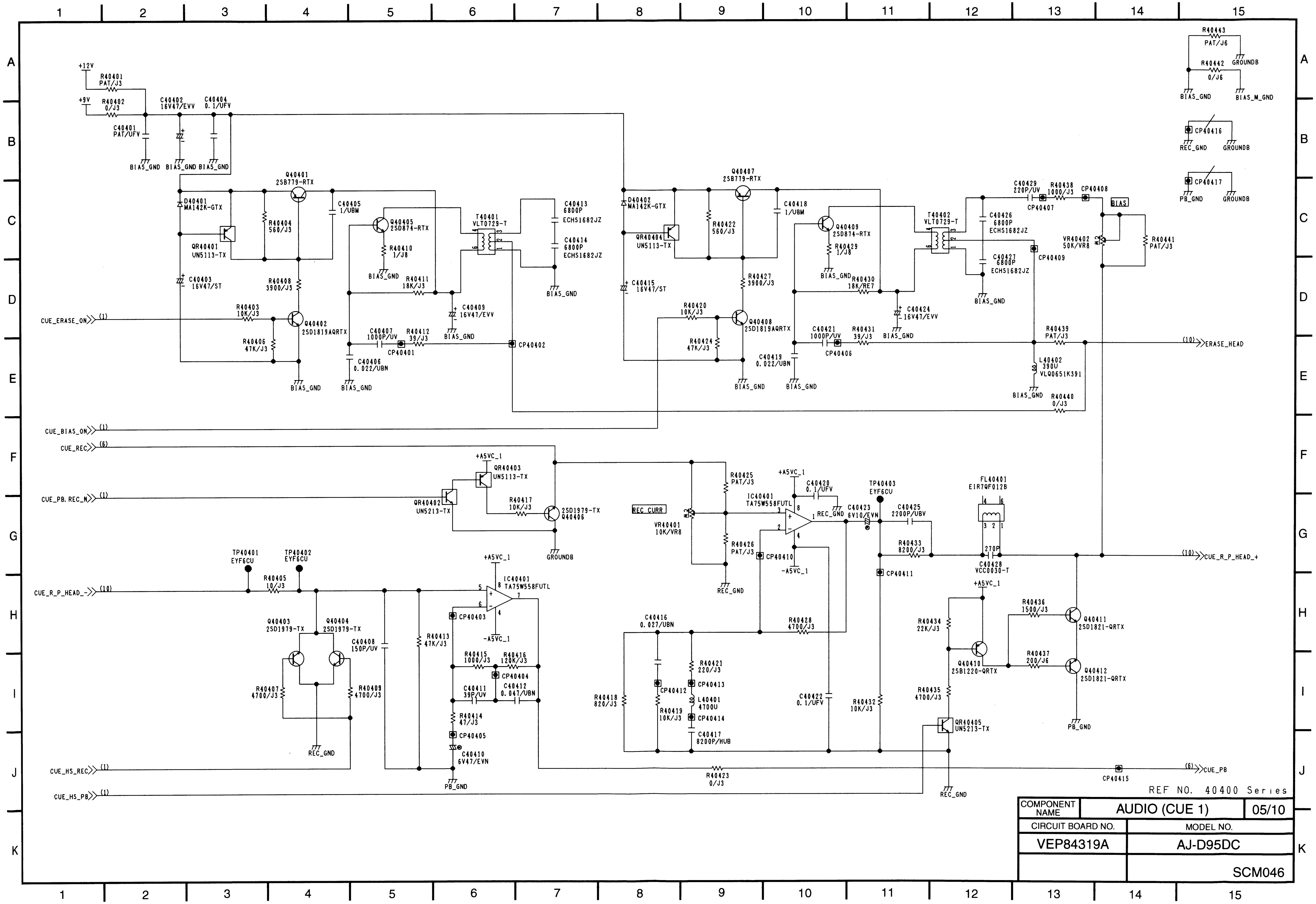
REF NO. 40200 Series

COMPONENT NAME	AUDIO (DA)	03/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP84319A	AJ-D95DC	
	SCM044	


DA_CH1
CH1_OUT_SEL_1
CH1_OUT_SEL_0
SERCH_CUE_L
CUE_PB_OUT
P_MUT_L
MUT_H
SERCH_L
HP_SEL_0
HP_SEL_1
DA_CH2
CH1_OUT_SEL_1
CH1_OUT_SEL_0
MON_SEL_0
MON_SEL_1
CH1_OUT
CH1_HP
CH2_HP
P_MUT
HP_MUT
MON_L_OUT
MON_R_OUT
CH2_OUT
IC40301 TA75W558FUTL
IC40302 MC14053BDTEL
IC40303 UPD4052BG-T1
IC40304 TA75W558FUTL
IC40305 TA75W558FUTL
IC40306 MC14053BDTEL
IC40307 UPD4052BG-T1
IC40308 TA75W558FUTL
IC40309 TA75W558FUTL
IC40310 TA75W558FUTL
IC40311 TA75W558FUTL
IC40312 UPD4052BG-T1
IC40313 UPD4052BG-T1
IC40314 UPD4052BG-T1
IC40315 UPD4052BG-T1
IC40316 TA75W558FUTL
IC40317 NJM79L08UAT2
IC40318 NJM78L08UAT2
IC40319 XC62AP5002HL
IC40320 XC62DN5002HL
Q40301 UN5213-TX
Q40302 2SB1219AQRTX
Q40303 2SB1219AQRTX
Q40304 2SB1219AQRTX
QR40302 UN5213-TX
D40301 MA147-GTX
D40302 MA142WK-GTX
D40303 MA142WK-GTX
TP40301 EYF6CU
TP40302 EYF6CU
TP40303 EYF6CU
TP40304 EYF6CU
TP40305 EYF6CU
TP40306 EYF6CU
TP40307 EYF6CU
+9VA_2
-9VA_2
+A5VD_1
-A5VD_1
+12V
-12V
+5.6V
-5.6V
GROUNDB

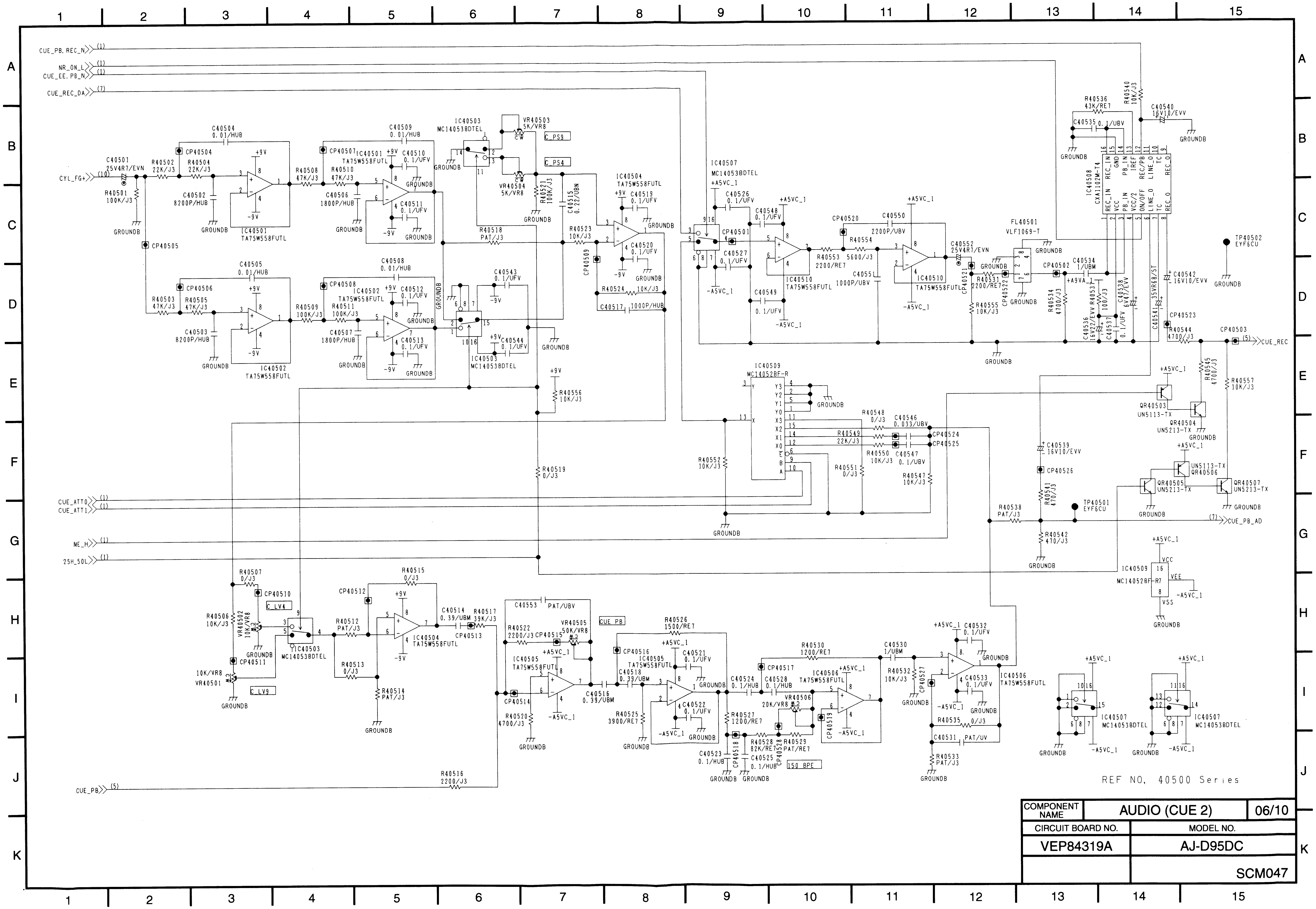
REF NO. 40300 Series

COMPONENT NAME	AUDIO (OUTPUT)	04/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP84319A	AJ-D95DC	
	SCM045	

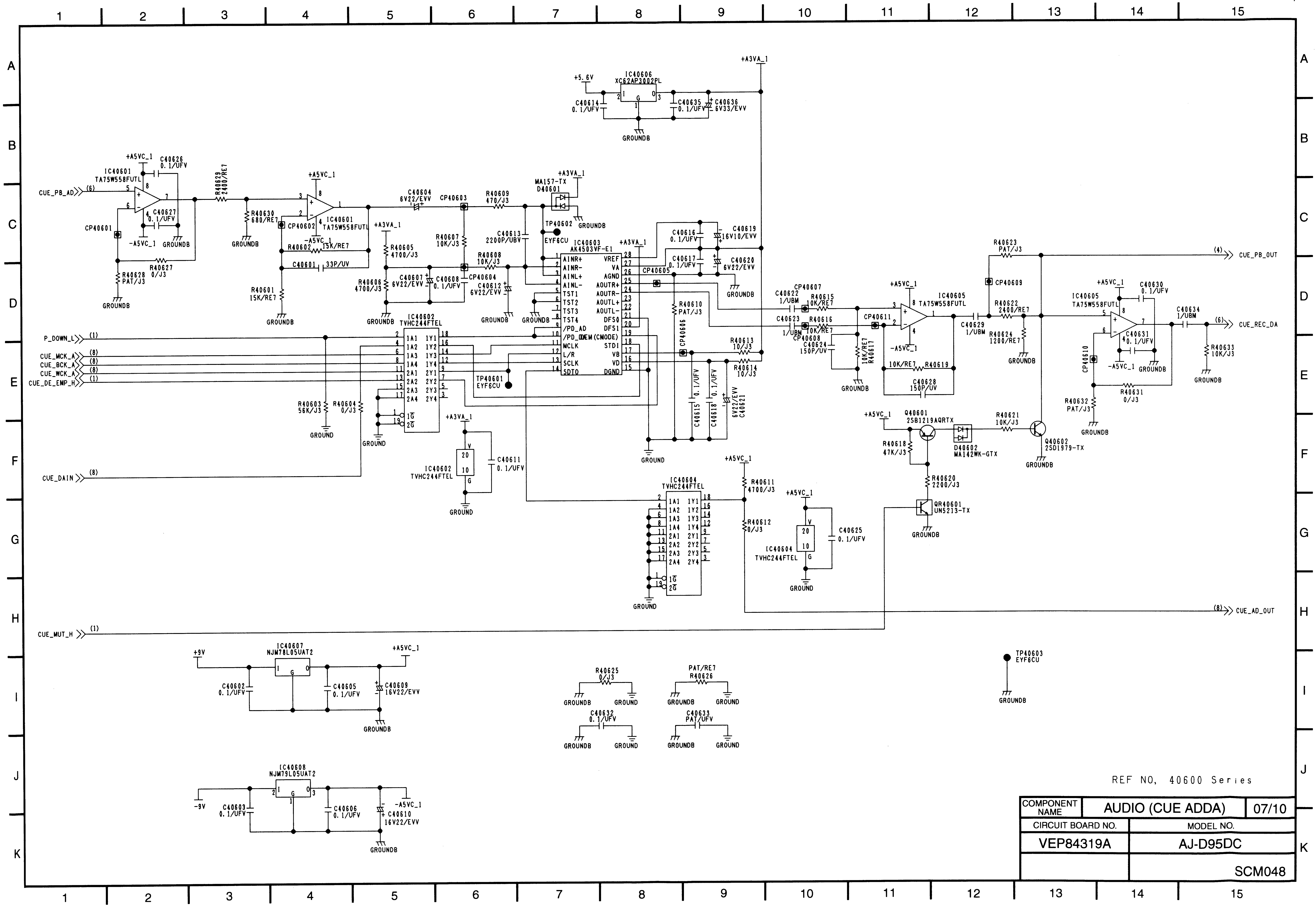

+12V
R40401 PAT/J3
+9V
R40402 0/J3
C40401 PAT/UFV
C40402 16V47/EVV
C40404 0.1/UFV
BIAS_GND
Q40401 2SB779-RTX
D40401 MA142K-GTX
C40405 1/UBM
R40404 560/J3
QR40401 UN5113-TX
Q40405 2SD874-RTX
R40410 1/J8
T40401 VLT0729-T
C40413 6800P ECHS1682JZ
C40414 6800P ECHS1682JZ
C40403 16V47/ST
R40408 3900/J3
R40411 18K/J3
C40409 16V47/EVV
CUE_ERASE_ON (1)
R40403 10K/J3
Q40402 2SD1819AQRTX
R40406 47K/J3
C40407 1000P/UV
R40412 39/J3
CP40401
CP40402
C40406 0.022/UBN
D40402 MA142K-GTX
Q40407 2SB779-RTX
C40418 1/UBM
R40422 560/J3
QR40404 UN5113-TX
Q40409 2SD874-RTX
R40429 1/J8
T40402 VLT0729-T
C40415 16V47/ST
R40427 3900/J3
R40430 18K/RE7
C40424 16V47/EVV
R40420 10K/J3
Q40408 2SD1819AQRTX
R40424 47K/J3
C40421 1000P/UV
R40431 39/J3
CP40406
C40419 0.022/UBN
C40429 220P/UV
CP40407
R40438 1000/J3
CP40408
BIAS
C40426 6800P ECHS1682JZ
C40427 6800P ECHS1682JZ
VR40402 50K/VR8
R40441 PAT/J3
CP40409
R40439 PAT/J3
(10) ERASE_HEAD
L40402 390U VLQ0651K391
R40440 0/J3
R40443 PAT/J6
R40442 0/J6
GROUNDB
BIAS_M_GND
CP40416
REC_GND
CP40417
PB_GND
CUE_BIAS_ON (1)
CUE_REC (6)
+A5VC_1
QR40403 UN5113-TX
CUE_PB.REC_N (1)
QR40402 UN5213-TX
R40417 10K/J3
2SD1979-TX Q40406
R40425 PAT/J3
REC CURR
VR40401 10K/VR8
R40426 PAT/J3
IC40401 TA75W558FUTL
C40420 0.1/UFV
CP40410
-A5VC_1
TP40403 EYF6CU
C40423 6V10/EVN
C40425 2200P/UBV
R40433 8200/J3
FL40401 EIR7QF012B
C40428 VCC0030-T
270P
(10) CUE_R_P_HEAD_+
CP40411
TP40401 EYF6CU
TP40402 EYF6CU
CUE_R_P_HEAD_- (10)
R40405 10/J3
Q40403 2SD1979-TX
Q40404 2SD1979-TX
R40407 4700/J3
R40409 4700/J3
C40408 150P/UV
R40413 47K/J3
CP40403
R40415 1000/J3
R40416 120K/J3
CP40404
C40411 39P/UV
C40412 0.047/UBN
R40414 47/J3
CP40405
C40410 6V47/EVN
C40416 0.027/UBN
R40421 220/J3
CP40413
CP40412
L40401 4700U
R40418 820/J3
R40419 10K/J3
CP40414
C40417 8200P/HUB
R40428 4700/J3
C40422 0.1/UFV
R40432 10K/J3
R40434 22K/J3
Q40410 2SB1220-QRTX
R40436 1500/J3
Q40411 2SD1821-QRTX
R40437 200/J6
Q40412 2SD1821-QRTX
R40435 4700/J3
QR40405 UN5213-TX
CUE_HS_REC (1)
CUE_HS_PB (1)
R40423 0/J3
CP40415
(6) CUE_PB
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

REF NO. 40400 Series

COMPONENT NAME	AUDIO (CUE 1)	05/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP84319A	AJ-D95DC	
	SCM046	

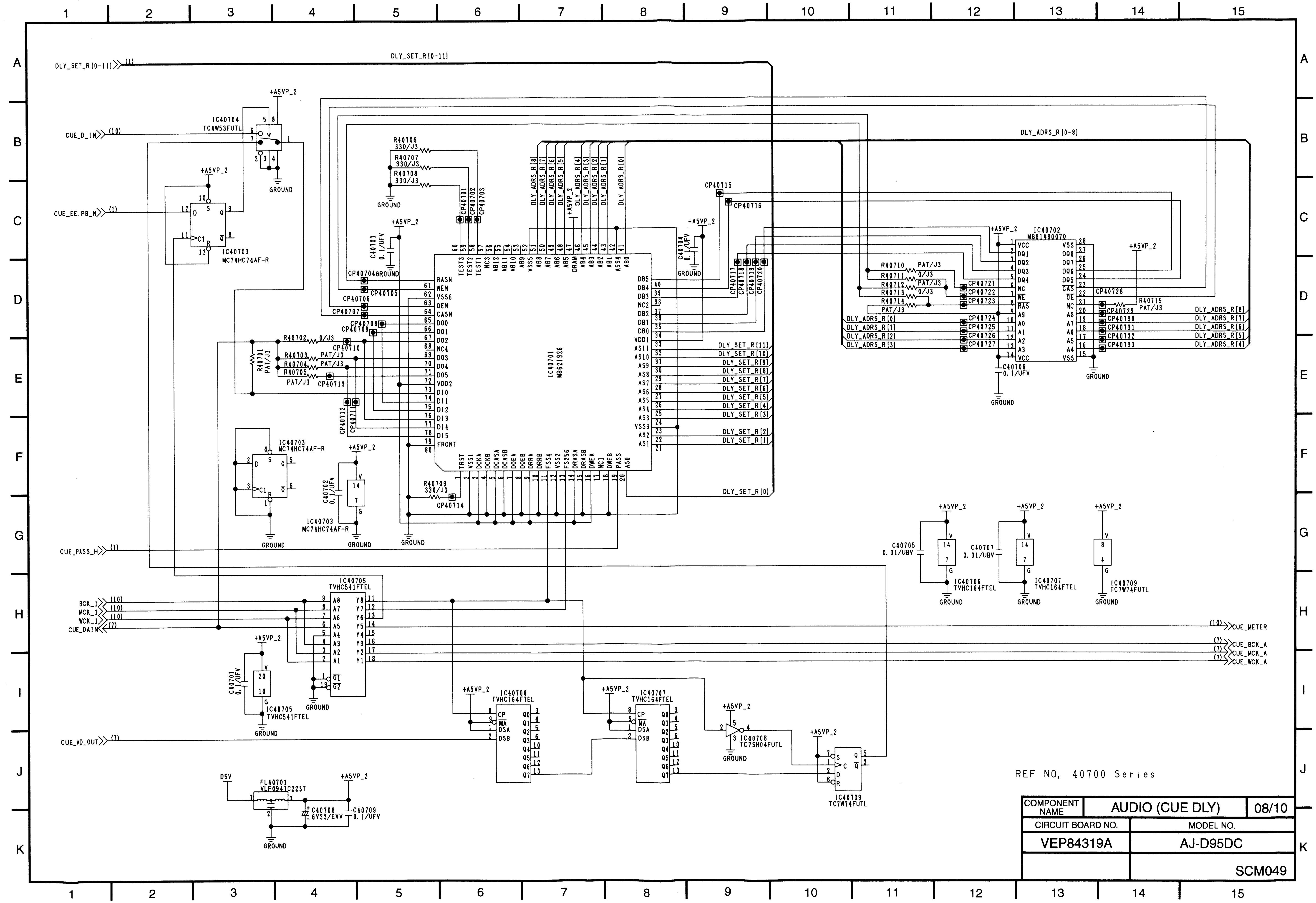

CUE_PB.REC_N
NR_ON_L
CUE_EE.PB_N
CUE_REC_DA
CYL_FG+
CUE_ATT0
CUE_ATT1
ME_H
25H_50L
CUE_PB
CUE_REC
CUE_PB_AD
IC40501 TA75W558FUTL
IC40502 TA75W558FUTL
IC40503 MC14053BDTEL
IC40504 TA75W558FUTL
IC40505 TA75W558FUTL
IC40506 TA75W558FUTL
IC40507 MC14053BDTEL
IC40508 CXA1102M-T4
IC40509 MC14052BF-R7
IC40510 TA75W558FUTL
FL40501 VLF1069-T
QR40503 UN5113-TX
QR40504 UN5213-TX
QR40505 UN5213-TX
QR40506 UN5113-TX
QR40507 UN5213-TX
TP40501 EYF6CU
TP40502 EYF6CU
VR40501 10K/VR8
VR40502 10K/VR8
VR40503 5K/VR8
VR40504 5K/VR8
VR40505 50K/VR8
VR40506 20K/VR8
C PS9
C PS4
C LV4
C LV9
CUE PB
150 BPE
GROUNDB
+9V
-9V
+A5VC_1
-A5VC_1
+A9VA
REF NO, 40500 Series

COMPONENT NAME	AUDIO (CUE 2)	06/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP84319A	AJ-D95DC	
	SCM047	


CUE_PB_AD
IC40601
TA75W558FUTL
+A5VC_1
C40626
0.1/UFV
C40627
0.1/UFV
-A5VC_1
GROUNDB
CP40601
R40628
PAT/J3
R40627
0/J3
R40629
2400/RE7
R40630
680/RE7
CP40602
R40602
15K/RE7
C40601
33P/UV
R40601
15K/RE7
C40604
6V22/EVV
CP40603
R40609
470/J3
MA157-TX
D40601
+A3VA_1
TP40602
EYF6CU
R40607
10K/J3
C40613
2200P/UBV
R40605
4700/J3
R40606
4700/J3
C40607
6V22/EVV
C40608
0.1/UFV
CP40604
R40608
10K/J3
C40612
6V22/EVV
IC40603
AK4503VF-E1
AINR+
AINR-
AINL+
AINL-
TST1
TST2
TST3
TST4
/PD_AD
/PD_DA
DEM
MCLK
L/R
SCLK
SDTO
VREF
VA
AGND
AOUTR+
AOUTR-
AOUTL+
AOUTL-
DFS0
DFS1
(CMODE)
STDI
VB
VD
DGND
+5.6V
IC40606
XC62AP3002PL
C40614
0.1/UFV
C40635
0.1/UFV
C40636
6V33/EVV
+A3VA_1
C40616
0.1/UFV
C40619
16V10/EVV
C40617
0.1/UFV
C40620
6V22/EVV
CP40605
R40610
PAT/J3
CP40606
C40615
0.1/UFV
C40618
0.1/UFV
C40621
6V22/EVV
P_DOWN_L
CUE_MCK_A
CUE_BCK_A
CUE_WCK_A
CUE_DE_EMP_H
IC40602
TVHC244FTEL
1A1 1A2 1A3 1A4 2A1 2A2 2A3 2A4
1Y1 1Y2 1Y3 1Y4 2Y1 2Y2 2Y3 2Y4
1G
2G
R40603
56K/J3
R40604
0/J3
TP40601
EYF6CU
C40611
0.1/UFV
CUE_DAIN
IC40604
TVHC244FTEL
+A5VC_1
R40611
4700/J3
R40612
0/J3
C40625
0.1/UFV
CUE_AD_OUT
CUE_MUT_H
C40622
1/UBM
CP40607
R40615
10K/RE7
C40623
1/UBM
R40616
10K/RE7
CP40608
C40624
150P/UV
R40613
10/J3
R40614
10/J3
CP40611
R40617
10K/RE7
IC40605
TA75W558FUTL
R40619
10K/RE7
C40628
150P/UV
C40629
1/UBM
R40623
PAT/J3
CP40609
R40622
2400/RE7
R40624
1200/RE7
C40630
0.1/UFV
C40631
0.1/UFV
CP40610
R40632
PAT/J3
R40631
0/J3
C40634
1/UBM
R40633
10K/J3
CUE_PB_OUT
CUE_REC_DA
Q40601
2SB1219AQRTX
R40618
47K/J3
D40602
MA142WK-GTX
R40621
10K/J3
Q40602
2SD1979-TX
R40620
2200/J3
QR40601
UN5213-TX
IC40607
NJM78L05UAT2
+9V
C40602
0.1/UFV
C40605
0.1/UFV
C40609
16V22/EVV
IC40608
NJM79L05UAT2
-9V
C40603
0.1/UFV
C40606
0.1/UFV
C40610
16V22/EVV
-A5VC_1
R40625
0/J3
R40626
PAT/RE7
C40632
0.1/UFV
C40633
PAT/UFV
TP40603
EYF6CU
GROUND

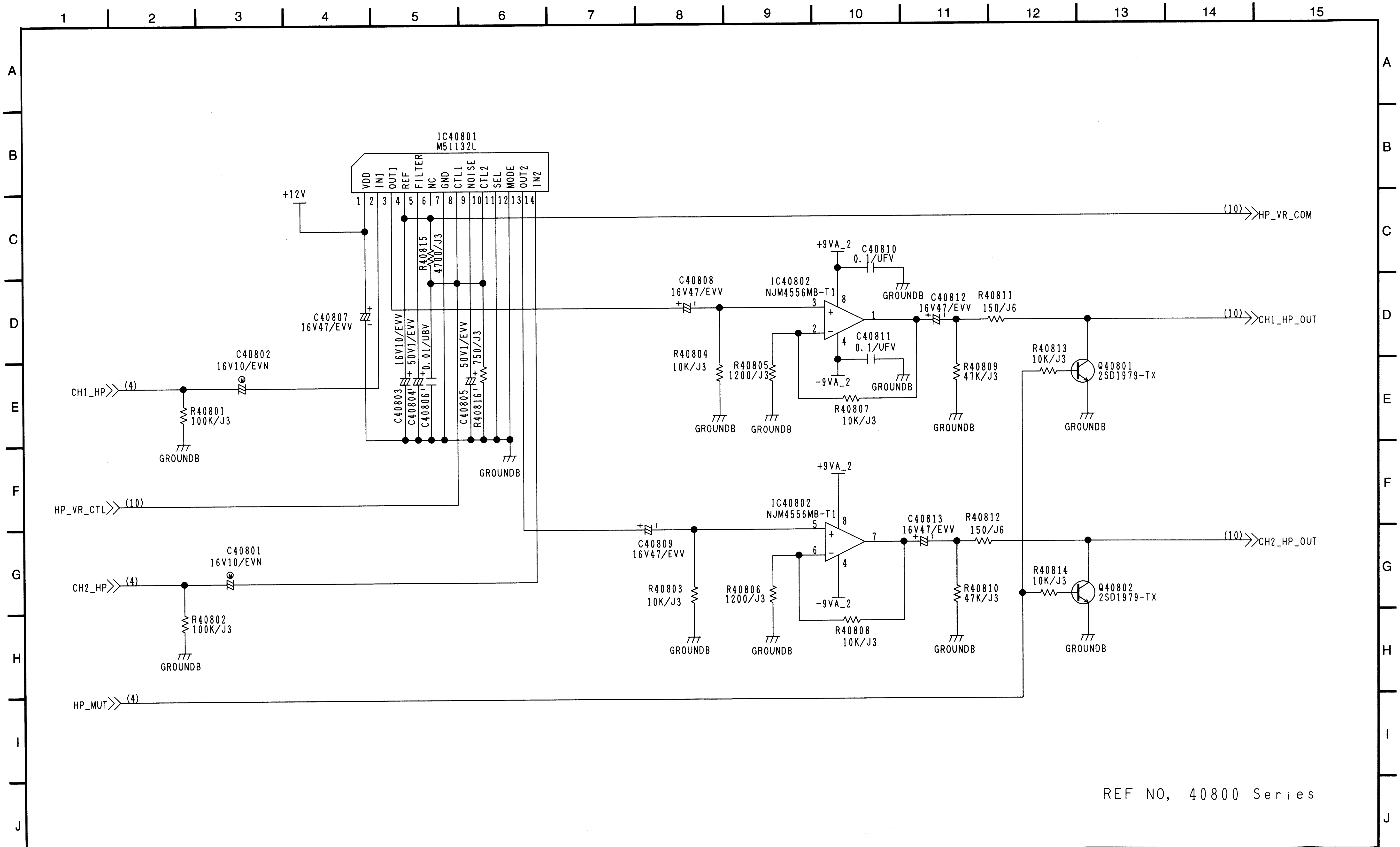
REF NO, 40600 Series

COMPONENT NAME	AUDIO (CUE ADDA)	07/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP84319A	AJ-D95DC	
	SCM048	


DLY_SET_R[0-11]
CUE_D_IN
CUE_EE.PB_N
CUE_PASS_H
BCK_1
MCK_1
WCK_1
CUE_DAIN
CUE_AD_OUT
CUE_METER
CUE_BCK_A
CUE_MCK_A
CUE_WCK_A
DLY_ADRS_R[0-8]
IC40701
MB621926
IC40702
MB81480070
IC40703
MC74HC74AF-R
IC40704
TC4W53FUTL
IC40705
TVHC541FTEL
IC40706
TVHC164FTEL
IC40707
TVHC164FTEL
IC40708
TC7SH04FUTL
IC40709
TC7W74FUTL
FL40701
VLF0941C223T
C40701
C40702
C40703
C40704
0.1/UFV
C40705
C40707
0.01/UBV
C40706
C40708
6V33/EVV
C40709
R40701
R40702
R40703
R40704
R40705
PAT/J3
R40706
R40707
R40708
R40709
330/J3
R40710
R40711
R40712
R40713
R40714
R40715
+A5VP_2
D5V
GROUND

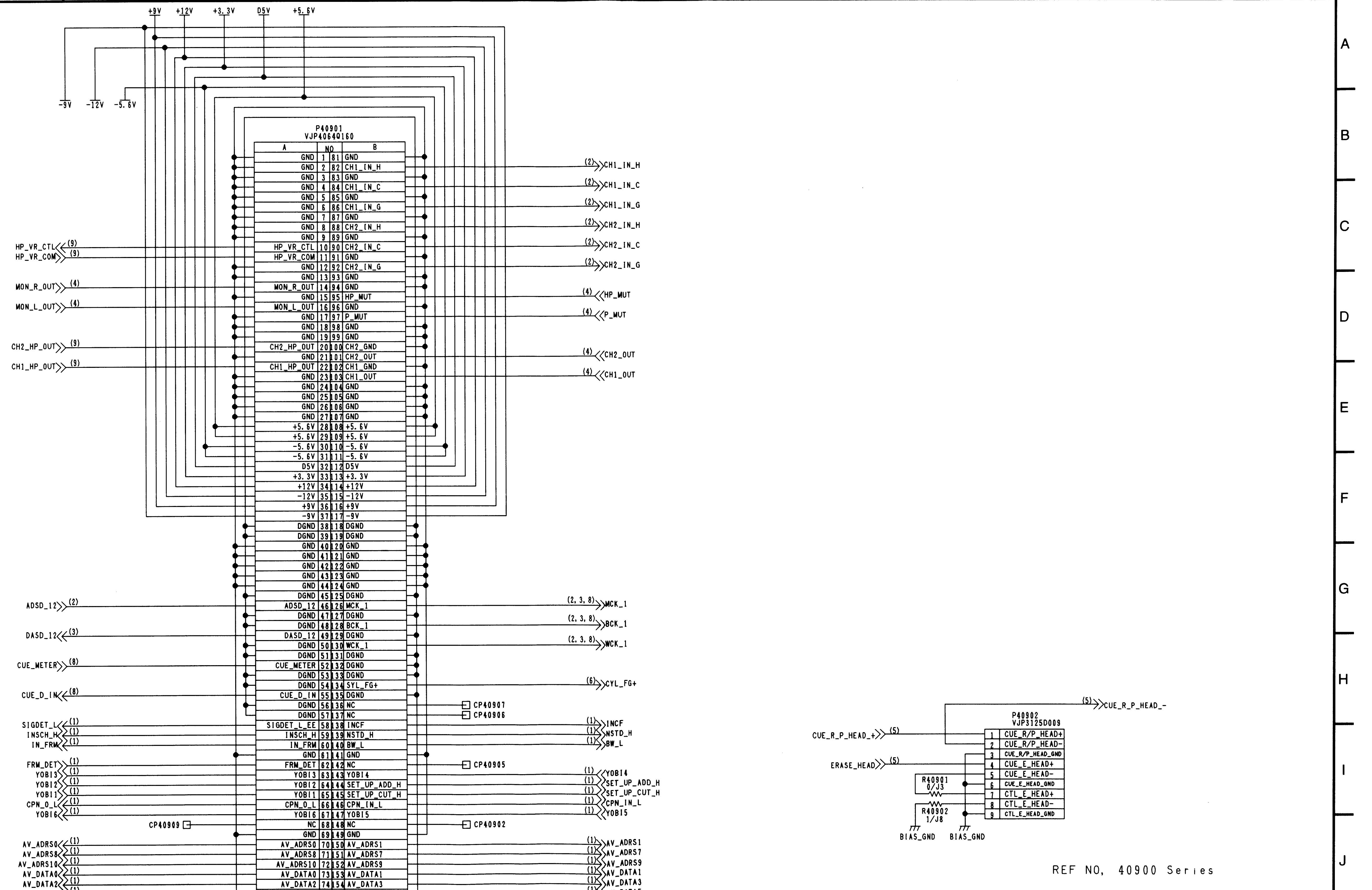
REF NO, 40700 Series

COMPONENT NAME	AUDIO (CUE DLY)	08/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP84319A	AJ-D95DC	
	SCM049	


IC40801
M51132L
VDD
IN1
OUT1
REF
FILTER
NC
GND
CTL1
NOISE
CTL2
SEL
MODE
OUT2
IN2
1 2 3 4 5 6 7 8 9 10 11 12 13 14
+12V
R40815
4700/J3
C40807
16V47/EVV
16V10/EVV
50V1/EVV
0.01/UBV
50V1/EVV
750/J3
C40803
C40804
C40806
C40805
R40816
GROUNDB
CH1_HP
(4)
C40802
16V10/EVN
R40801
100K/J3
GROUNDB
HP_VR_CTL
(10)
CH2_HP
(4)
C40801
16V10/EVN
R40802
100K/J3
GROUNDB
HP_MUT
(4)
(10)
HP_VR_COM
+9VA_2
C40810
0.1/UFV
GROUNDB
C40808
16V47/EVV
IC40802
NJM4556MB-T1
C40812
16V47/EVV
R40811
150/J6
(10)
CH1_HP_OUT
R40804
10K/J3
R40805
1200/J3
-9VA_2
C40811
0.1/UFV
GROUNDB
R40807
10K/J3
R40809
47K/J3
R40813
10K/J3
Q40801
2SD1979-TX
GROUNDB
GROUNDB
GROUNDB
GROUNDB
+9VA_2
IC40802
NJM4556MB-T1
C40809
16V47/EVV
C40813
16V47/EVV
R40812
150/J6
(10)
CH2_HP_OUT
R40803
10K/J3
R40806
1200/J3
-9VA_2
R40808
10K/J3
R40810
47K/J3
R40814
10K/J3
Q40802
2SD1979-TX
GROUNDB
GROUNDB
GROUNDB
GROUNDB
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

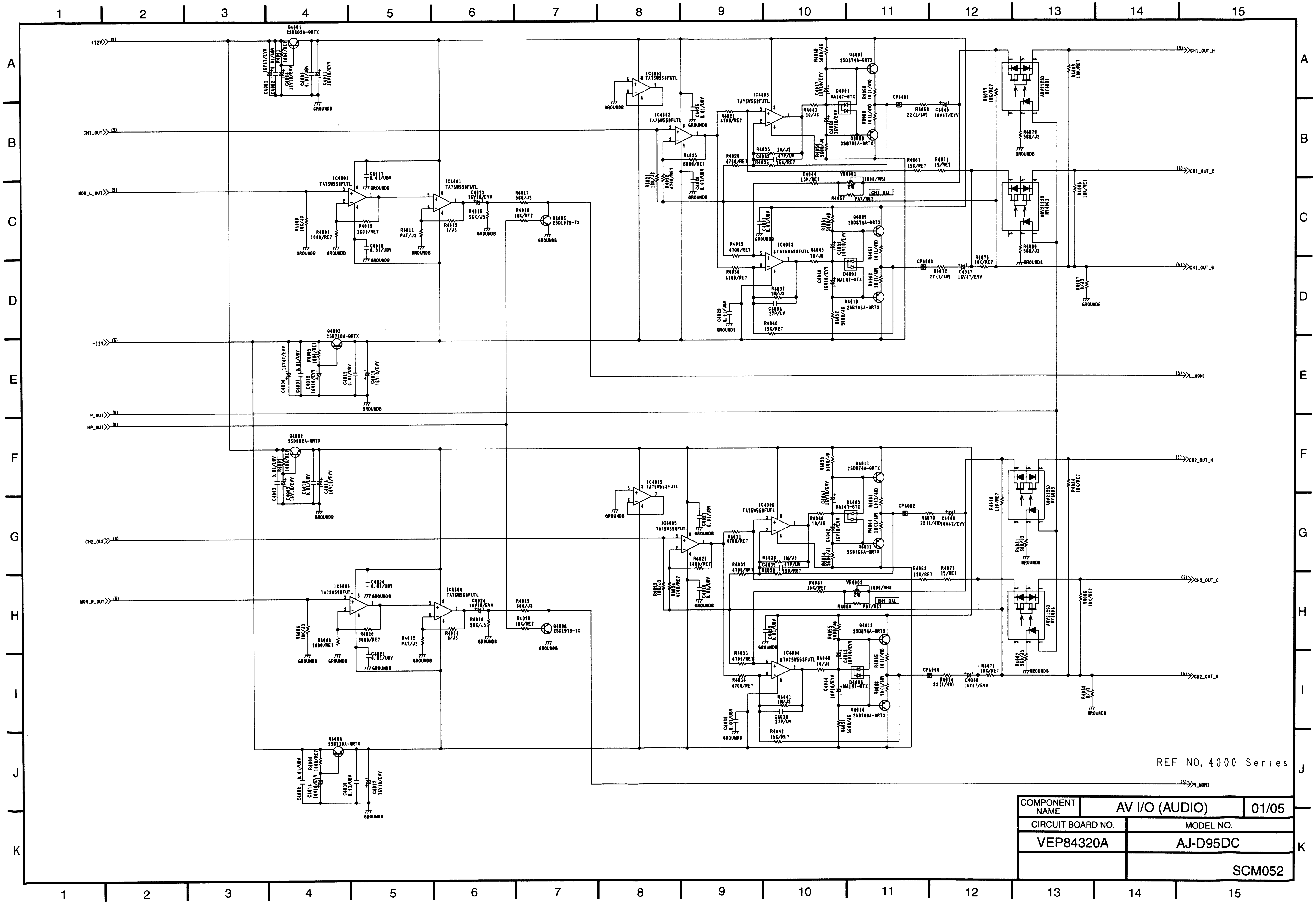
REF NO, 40800 Series

COMPONENT NAME	AUDIO (HP)	09/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP84319A	AJ-D95DC	
	SCM050	


+9V
+12V
+3.3V
D5V
+5.6V
-9V
-12V
-5.6V
P40901
VJP4064Q160
A
NO
B
GND 1 81 GND
GND 2 82 CH1_IN_H
GND 3 83 GND
GND 4 84 CH1_IN_C
GND 5 85 GND
GND 6 86 CH1_IN_G
GND 7 87 GND
GND 8 88 CH2_IN_H
GND 9 89 GND
HP_VR_CTL 10 90 CH2_IN_C
HP_VR_COM 11 91 GND
GND 12 92 CH2_IN_G
GND 13 93 GND
MON_R_OUT 14 94 GND
GND 15 95 HP_MUT
MON_L_OUT 16 96 GND
GND 17 97 P_MUT
GND 18 98 GND
GND 19 99 GND
CH2_HP_OUT 20 100 CH2_GND
GND 21 101 CH2_OUT
CH1_HP_OUT 22 102 CH1_GND
GND 23 103 CH1_OUT
GND 24 104 GND
GND 25 105 GND
GND 26 106 GND
GND 27 107 GND
+5.6V 28 108 +5.6V
+5.6V 29 109 +5.6V
-5.6V 30 110 -5.6V
-5.6V 31 111 -5.6V
D5V 32 112 D5V
+3.3V 33 113 +3.3V
+12V 34 114 +12V
-12V 35 115 -12V
+9V 36 116 +9V
-9V 37 117 -9V
DGND 38 118 DGND
DGND 39 119 DGND
GND 40 120 GND
GND 41 121 GND
GND 42 122 GND
GND 43 123 GND
GND 44 124 GND
DGND 45 125 DGND
ADSD_12 46 126 MCK_1
DGND 47 127 DGND
DGND 48 128 BCK_1
DASD_12 49 129 DGND
DGND 50 130 WCK_1
DGND 51 131 DGND
CUE_METER 52 132 DGND
DGND 53 133 DGND
DGND 54 134 SYL_FG+
CUE_D_IN 55 135 DGND
DGND 56 136 NC
DGND 57 137 NC
SIGDET_L_EE 58 138 INCF
INSCH_H 59 139 NSTD_H
IN_FRM 60 140 BW_L
GND 61 141 GND
FRM_DET 62 142 NC
YOBI3 63 143 YOBI4
YOBI2 64 144 SET_UP_ADD_H
YOBI1 65 145 SET_UP_CUT_H
CPN_O_L 66 146 CPN_IN_L
YOBI6 67 147 YOBI5
NC 68 148 NC
GND 69 149 GND
AV_ADRS0 70 150 AV_ADRS1
AV_ADRS8 71 151 AV_ADRS7
AV_ADRS10 72 152 AV_ADRS9
AV_DATA0 73 153 AV_DATA1
AV_DATA2 74 154 AV_DATA3
AV_DATA4 75 155 AV_DATA5
AV_DATA6 76 156 AV_DATA7
AV_IORD_L 77 157 AV_IOWR_L
AV_RST_L 78 158 AV_CS_AUDIO_1
BIAS_M_GND 79 159 BIAS_M_GND
BIAS_M_GND 80 160 BIAS_M_GND
HP_VR_CTL (9)
HP_VR_COM (9)
MON_R_OUT (4)
MON_L_OUT (4)
CH2_HP_OUT (9)
CH1_HP_OUT (9)
ADSD_12 (2)
DASD_12 (3)
CUE_METER (8)
CUE_D_IN (8)
SIGDET_L (1)
INSCH_H (1)
IN_FRM (1)
FRM_DET (1)
YOBI3 (1)
YOBI2 (1)
YOBI1 (1)
CPN_O_L (1)
YOBI6 (1)
CP40909
AV_ADRS0 (1)
AV_ADRS8 (1)
AV_ADRS10 (1)
AV_DATA0 (1)
AV_DATA2 (1)
AV_DATA4 (1)
AV_DATA6 (1)
AV_IORD_L (1)
AV_RST_L (1)
BIAS_M_GND
GROUNDB
GROUND
BIAS_M_GND
(2) CH1_IN_H
(2) CH1_IN_C
(2) CH1_IN_G
(2) CH2_IN_H
(2) CH2_IN_C
(2) CH2_IN_G
(4) HP_MUT
(4) P_MUT
(4) CH2_OUT
(4) CH1_OUT
(2, 3, 8) MCK_1
(2, 3, 8) BCK_1
(2, 3, 8) WCK_1
(6) CYL_FG+
CP40907
CP40906
(1) INCF
(1) NSTD_H
(1) BW_L
CP40905
(1) YOBI4
(1) SET_UP_ADD_H
(1) SET_UP_CUT_H
(1) CPN_IN_L
(1) YOBI5
CP40902
(1) AV_ADRS1
(1) AV_ADRS7
(1) AV_ADRS9
(1) AV_DATA1
(1) AV_DATA3
(1) AV_DATA5
(1) AV_DATA7
(1) AV_IOWR_L
(1) AV_CS_AUDIO_1
(5) CUE_R_P_HEAD_-
P40902
VJP3125D009
CUE_R_P_HEAD_+ (5)
ERASE_HEAD (5)
1 CUE_R/P_HEAD+
2 CUE_R/P_HEAD-
3 CUE_R/P_HEAD_GND
4 CUE_E_HEAD+
5 CUE_E_HEAD-
6 CUE_E_HEAD_GND
7 CTL_E_HEAD+
8 CTL_E_HEAD-
9 CTL_E_HEAD_GND
R40901
0/J3
R40902
1/J8
BIAS_GND
BIAS_GND

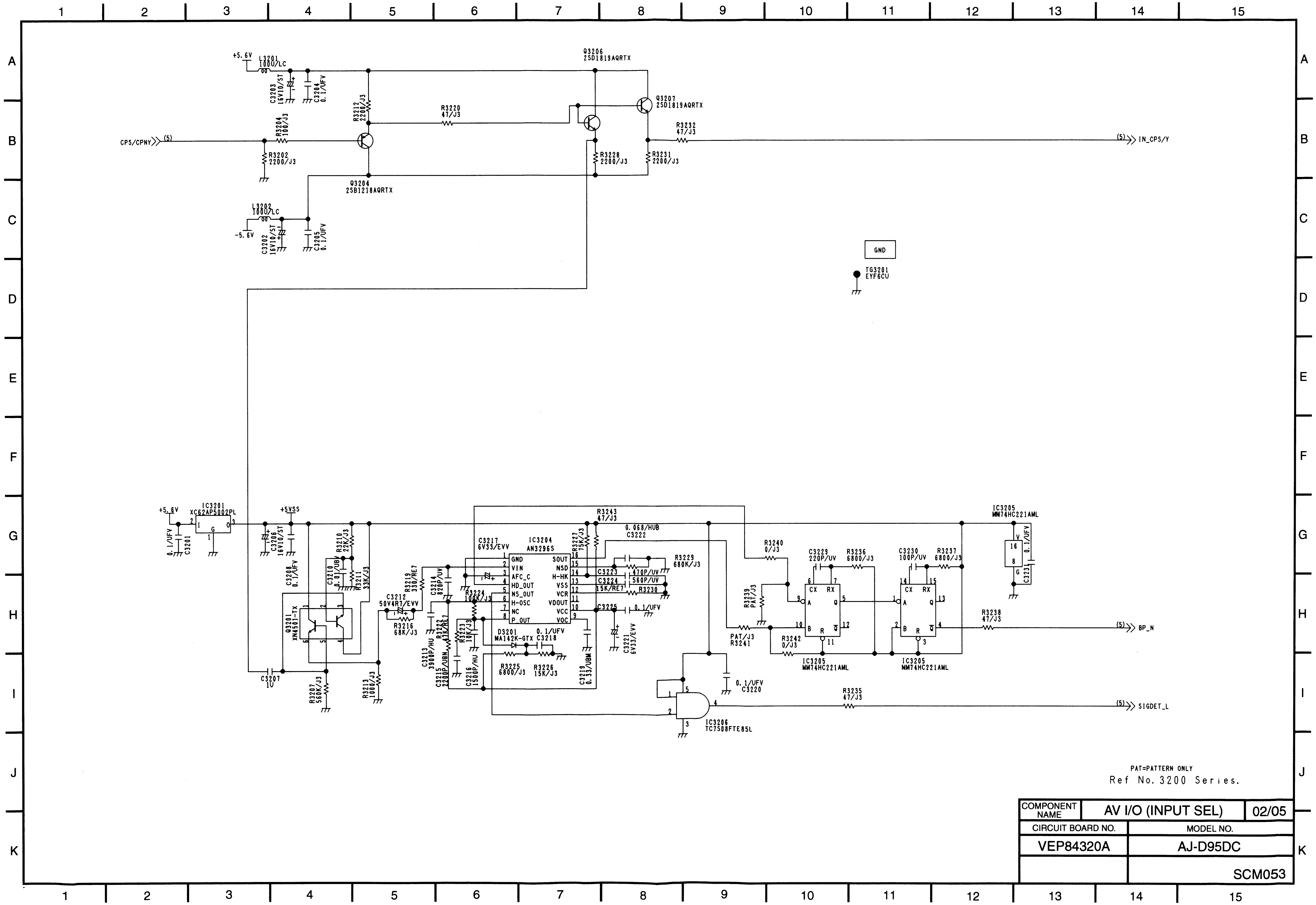
REF NO, 40900 Series

COMPONENT NAME	AUDIO (CONNECT)	10/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP84319A	AJ-D95DC	
	SCM051	


+12V
CH1_OUT
MON_L_OUT
-12V
P_MUT
HP_MUT
CH2_OUT
MON_R_OUT
Q4001 2SD602A-QRTX
Q4002 2SD602A-QRTX
Q4003 2SB710A-QRTX
Q4004 2SB710A-QRTX
Q4005 2SD1979-TX
Q4006 2SD1979-TX
Q4007 2SD874A-QRTX
Q4008 2SB766A-QRTX
Q4009 2SD874A-QRTX
Q4010 2SB766A-QRTX
Q4011 2SD874A-QRTX
Q4012 2SB766A-QRTX
Q4013 2SD874A-QRTX
Q4014 2SB766A-QRTX
IC4001 TA75W558FUTL
IC4002 TA75W558FUTL
IC4003 TA75W558FUTL
IC4004 TA75W558FUTL
IC4005 TA75W558FUTL
IC4006 TA75W558FUTL
D4001 MA147-GTX
D4002 MA147-GTX
D4003 MA147-GTX
D4004 MA147-GTX
VR4001 1000/VR8
VR4002 1000/VR8
CH1 BAL
CH2 BAL
CP4001
CP4002
CP4003
CP4004
RY4001 AGN2102SX
RY4002 AGN2102SX
RY4003 AGN2102SX
RY4004 AGN2102SX
GROUNDB
CH1_OUT_H
CH1_OUT_C
CH1_OUT_G
L_MONI
CH2_OUT_H
CH2_OUT_C
CH2_OUT_G
R_MONI
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
H
I
J
K

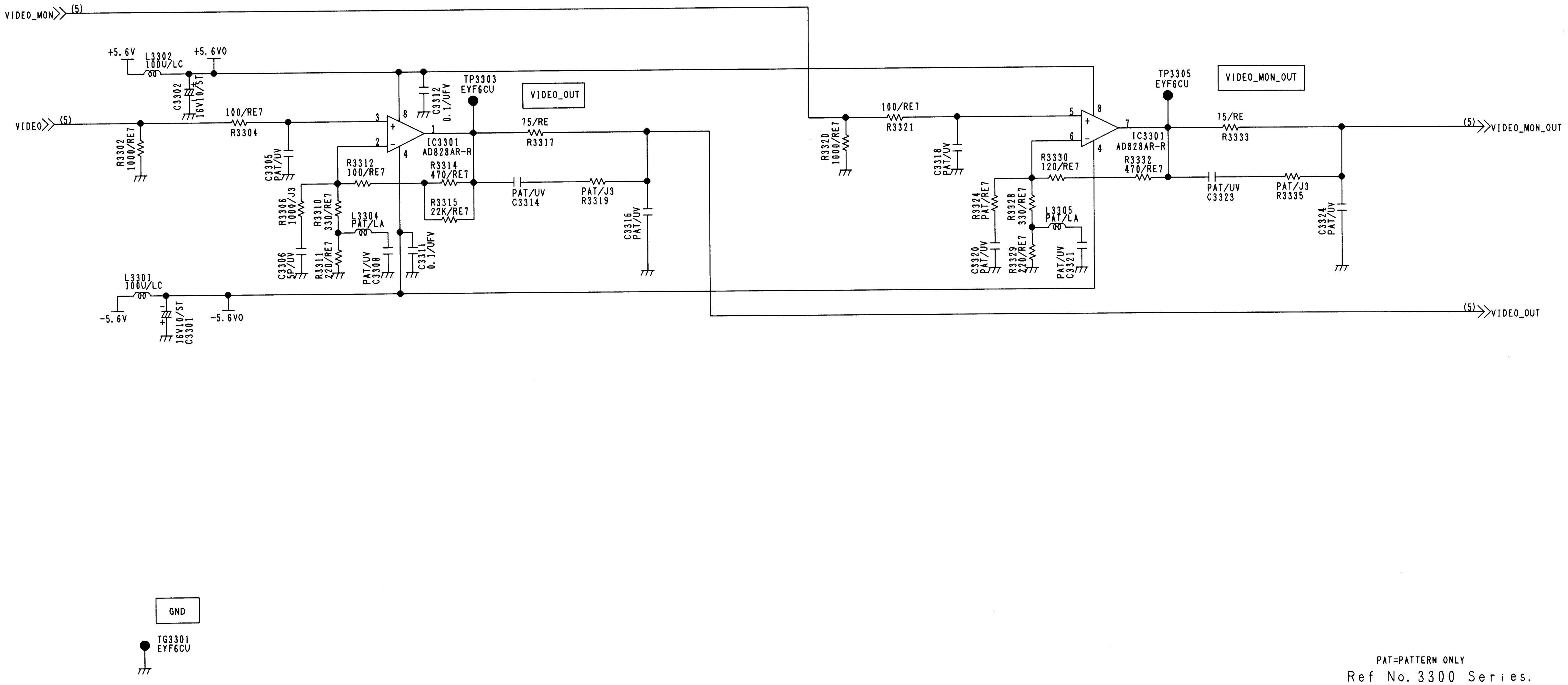
REF NO, 4000 Series

COMPONENT NAME	AV I/O (AUDIO)	01/05
CIRCUIT BOARD NO.	MODEL NO.	
VEP84320A	AJ-D95DC	
	SCM052	


+5.6V
L3201 1000/LC
C3203 16V10/ST
C3204 0.1/UFV
Q3206 2SD1819AQRTX
Q3207 2SD1819AQRTX
R3212 2200/J3
R3220 47/J3
CPS/CPNY (5)
R3204 100/J3
R3202 2200/J3
Q3204 2SB1218AQRTX
R3228 2200/J3
R3231 2200/J3
R3232 47/J3
(5) IN_CPS/Y
L3202 1000/LC
-5.6V
C3202 16V10/ST
C3205 0.1/UFV
GND
TG3201 EYF6CU
+5.6V
IC3201 XC62AP5002PL
C3201 0.1/UFV
+5VSS
C3206 16V10/ST
C3208 0.1/UFV
C3210 0.01/UB
R3210 22K/J3
R3211 33K/J3
Q3201 XN4501-TX
C3207 10
R3207 560K/J3
R3213 1000/J3
C3212 50V4R7/EVV
R3219 330/RE7
R3216 68K/J3
C3214 820P/UV
C3213 3900P/HU
R3222 47K/RE7
C3215 2200P/UBN
R3224 100K/J3
R3223 10K/J3
C3216 1500P/HU
C3217 6V33/EVV
IC3204 AN3296S
GND
VIN
AFC_C
HD_OUT
NS_OUT
H-OSC
NC
P_OUT
SOUT
NSD
H-HK
VSS
VCR
VDOUT
VCC
VOC
D3201 MA142K-GTX
0.1/UFV C3218
R3225 6800/J3
R3226 15K/J3
C3219 0.33/UBM
R3227 75K/J3
R3243 47/J3
0.068/HUB C3222
R3229 680K/J3
C3223 470P/UV
C3224 560P/UV
15K/RE7 R3230
C3225 0.1/UFV
C3221 6V33/EVV
0.1/UFV C3220
IC3206 TC7S08FTE85L
R3235 47/J3
(5) SIGDET_L
R3240 0/J3
R3239 PAT/J3
PAT/J3 R3241
R3242 0/J3
C3229 220P/UV
R3236 6800/J3
CX RX
IC3205 MM74HC221AML
C3230 100P/UV
R3237 6800/J3
IC3205 MM74HC221AML
R3238 47/J3
(5) BP_N
IC3205 MM74HC221AML
C3231 0.1/UFV
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

PAT=PATTERN ONLY
Ref No. 3200 Series.

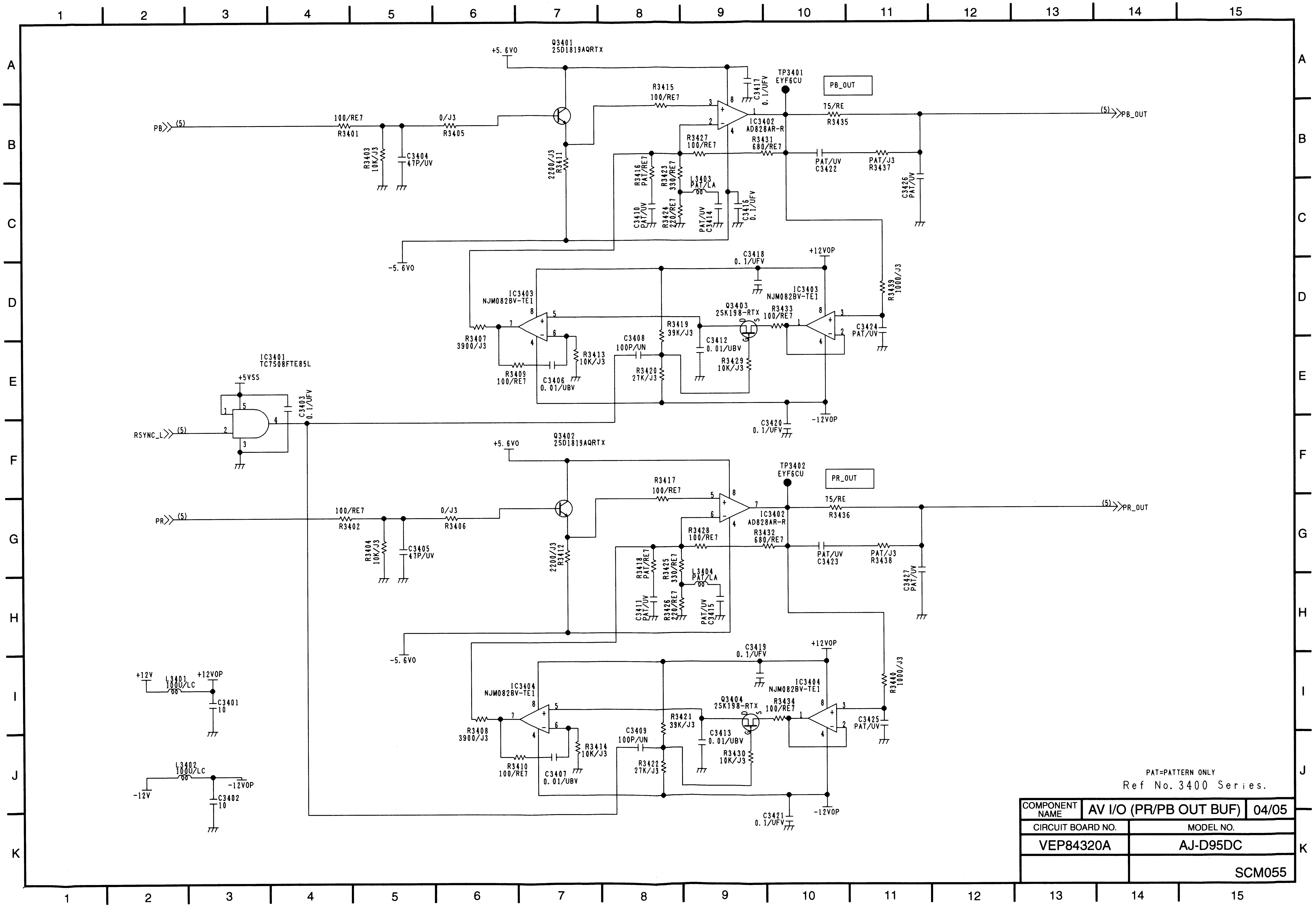
COMPONENT NAME	AV I/O (INPUT SEL)	02/05
CIRCUIT BOARD NO.	MODEL NO.	
VEP84320A	AJ-D95DC	
	SCM053	


VIDEO_MON
(5)
+5.6V
L3302
100U/LC
+5.6VO
C3302
16V10/ST
VIDEO
(5)
R3302
1000/RE7
100/RE7
R3304
C3305
PAT/UV
3
2
8
4
1
IC3301
AD828AR-R
C3312
0.1/UFV
TP3303
EYF6CU
VIDEO_OUT
75/RE
R3317
R3312
100/RE7
R3314
470/RE7
R3315
22K/RE7
PAT/UV
C3314
PAT/J3
R3319
C3316
PAT/UV
R3306
1000/J3
R3310
330/RE7
L3304
PAT/LA
C3306
5P/UV
R3311
220/RE7
PAT/UV
C3308
C3311
0.1/UFV
L3301
100U/LC
-5.6V
-5.6VO
16V10/ST
C3301
R3320
1000/RE7
100/RE7
R3321
C3318
PAT/UV
5
6
8
4
7
IC3301
AD828AR-R
TP3305
EYF6CU
VIDEO_MON_OUT
75/RE
R3333
R3330
120/RE7
R3332
470/RE7
PAT/UV
C3323
PAT/J3
R3335
C3324
PAT/UV
R3324
PAT/RE7
R3328
330/RE7
L3305
PAT/LA
C3320
PAT/UV
R3329
220/RE7
PAT/UV
C3321
(5)
VIDEO_MON_OUT
(5)
VIDEO_OUT
GND
TG3301
EYF6CU

PAT=PATTERN ONLY

Ref No. 3300 Series.

COMPONENT NAME	AV I/O (OUTPUT BUF)	03/05
CIRCUIT BOARD NO.	MODEL NO.	
VEP84320A	AJ-D95DC	
	SCM054	

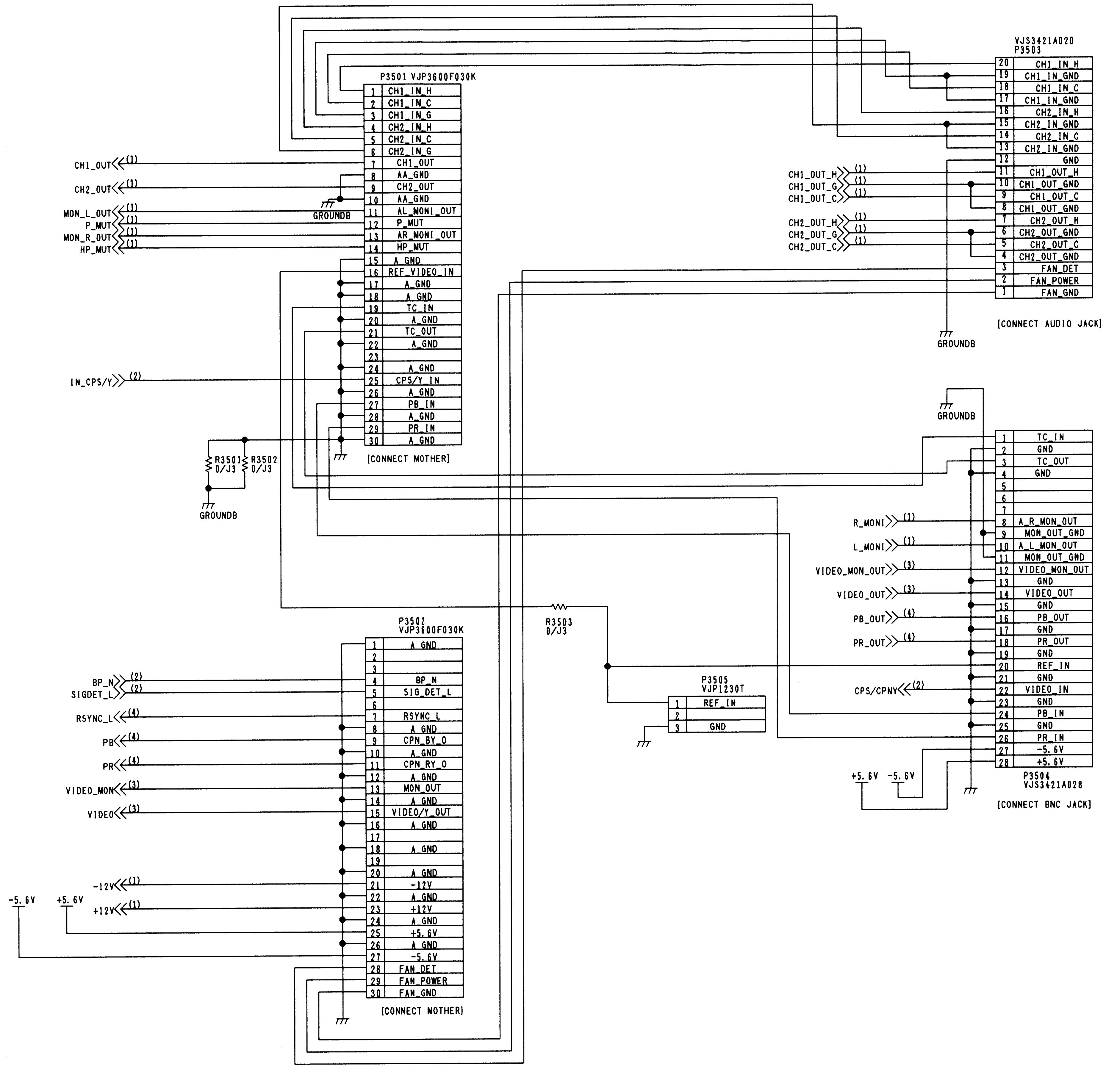


PB (5)
R3401 100/RE7
R3403 10K/J3
C3404 47P/UV
R3405 0/J3
Q3401 2SD1819AQRTX
+5.6VO
R3411 2200/J3
-5.6VO
R3415 100/RE7
IC3402 AD828AR-R
C3417 0.1/UFV
TP3401 EYF6CU
PB_OUT
R3435 75/RE
(5) PB_OUT
R3427 100/RE7
R3431 680/RE7
R3416 PAT/RE7
R3423 330/RE7
L3403 PAT/LA
C3416 0.1/UFV
C3410 PAT/UV
R3424 220/RE7
C3414 PAT/UV
C3422 PAT/UV
R3437 PAT/J3
C3426 PAT/UV
R3439 1000/J3
C3418 0.1/UFV
+12VOP
IC3403 NJM082BV-TE1
Q3403 2SK198-RTX
R3433 100/RE7
R3407 3900/J3
R3419 39K/J3
C3412 0.01/UBV
R3413 10K/J3
C3408 100P/UN
R3429 10K/J3
C3424 PAT/UV
R3409 100/RE7
C3406 0.01/UBV
R3420 27K/J3
C3420 0.1/UFV
-12VOP
IC3401 TC7S08FTE85L
+5VSS
C3403 0.1/UFV
RSYNC_L (5)
Q3402 2SD1819AQRTX
+5.6VO
R3417 100/RE7
TP3402 EYF6CU
PR_OUT
R3436 75/RE
(5) PR_OUT
PR (5)
R3402 100/RE7
R3404 10K/J3
C3405 47P/UV
R3406 0/J3
R3412 2200/J3
IC3402 AD828AR-R
R3428 100/RE7
R3432 680/RE7
R3418 PAT/RE7
R3425 330/RE7
L3404 PAT/LA
C3411 PAT/UV
R3426 220/RE7
C3415 PAT/UV
C3423 PAT/UV
R3438 PAT/J3
C3427 PAT/UV
-5.6VO
C3419 0.1/UFV
+12VOP
IC3404 NJM082BV-TE1
Q3404 2SK198-RTX
R3434 100/RE7
R3440 1000/J3
R3408 3900/J3
R3421 39K/J3
C3413 0.01/UBV
R3414 10K/J3
C3409 100P/UN
R3430 10K/J3
C3425 PAT/UV
R3410 100/RE7
C3407 0.01/UBV
R3422 27K/J3
C3421 0.1/UFV
-12VOP
+12V
L3401 100U/LC
+12VOP
C3401 10
L3402 100U/LC
-12V
-12VOP
C3402 10

PAT=PATTERN ONLY

Ref No. 3400 Series.

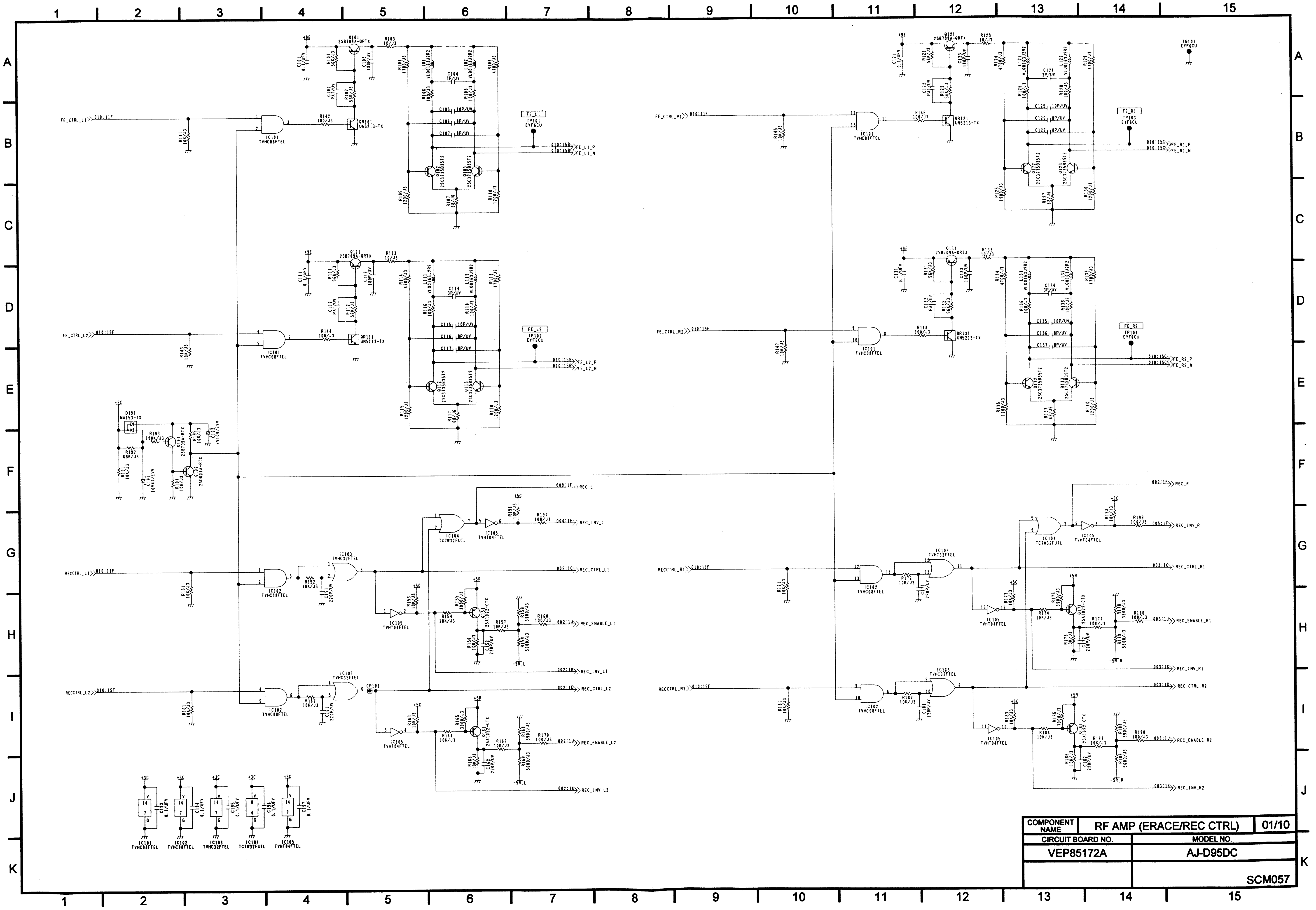
COMPONENT NAME	AV I/O (PR/PB OUT BUF)	04/05
CIRCUIT BOARD NO.	MODEL NO.	
VEP84320A	AJ-D95DC	
	SCM055	


P3501 VJP3600F030K
1 CH1_IN_H
2 CH1_IN_C
3 CH1_IN_G
4 CH2_IN_H
5 CH2_IN_C
6 CH2_IN_G
7 CH1_OUT
8 AA_GND
9 CH2_OUT
10 AA_GND
11 AL_MONI_OUT
12 P_MUT
13 AR_MONI_OUT
14 HP_MUT
15 A_GND
16 REF_VIDEO_IN
17 A_GND
18 A_GND
19 TC_IN
20 A_GND
21 TC_OUT
22 A_GND
23
24 A_GND
25 CPS/Y_IN
26 A_GND
27 PB_IN
28 A_GND
29 PR_IN
30 A_GND
[CONNECT MOTHER]
CH1_OUT (1)
CH2_OUT (1)
MON_L_OUT (1)
P_MUT (1)
MON_R_OUT (1)
HP_MUT (1)
GROUNDB
IN_CPS/Y (2)
R3501 0/J3
R3502 0/J3
GROUNDB
VJS3421A020
P3503
20 CH1_IN_H
19 CH1_IN_GND
18 CH1_IN_C
17 CH1_IN_GND
16 CH2_IN_H
15 CH2_IN_GND
14 CH2_IN_C
13 CH2_IN_GND
12 GND
11 CH1_OUT_H
10 CH1_OUT_GND
9 CH1_OUT_C
8 CH1_OUT_GND
7 CH2_OUT_H
6 CH2_OUT_GND
5 CH2_OUT_C
4 CH2_OUT_GND
3 FAN_DET
2 FAN_POWER
1 FAN_GND
[CONNECT AUDIO JACK]
CH1_OUT_H (1)
CH1_OUT_G (1)
CH1_OUT_C (1)
CH2_OUT_H (1)
CH2_OUT_G (1)
CH2_OUT_C (1)
GROUNDB
GROUNDB
1 TC_IN
2 GND
3 TC_OUT
4 GND
5
6
7
8 A_R_MON_OUT
9 MON_OUT_GND
10 A_L_MON_OUT
11 MON_OUT_GND
12 VIDEO_MON_OUT
13 GND
14 VIDEO_OUT
15 GND
16 PB_OUT
17 GND
18 PR_OUT
19 GND
20 REF_IN
21 GND
22 VIDEO_IN
23 GND
24 PB_IN
25 GND
26 PR_IN
27 -5.6V
28 +5.6V
P3504
VJS3421A028
[CONNECT BNC JACK]
R_MONI (1)
L_MONI (1)
VIDEO_MON_OUT (3)
VIDEO_OUT (3)
PB_OUT (4)
PR_OUT (4)
CPS/CPNY (2)
+5.6V
-5.6V
R3503
0/J3
P3505
VJP1230T
1 REF_IN
2
3 GND
P3502
VJP3600F030K
1 A_GND
2
3
4 BP_N
5 SIG_DET_L
6
7 RSYNC_L
8 A_GND
9 CPN_BY_O
10 A_GND
11 CPN_RY_O
12 A_GND
13 MON_OUT
14 A_GND
15 VIDEO/Y_OUT
16 A_GND
17
18 A_GND
19
20 A_GND
21 -12V
22 A_GND
23 +12V
24 A_GND
25 +5.6V
26 A_GND
27 -5.6V
28 FAN_DET
29 FAN_POWER
30 FAN_GND
[CONNECT MOTHER]
BP_N (2)
SIGDET_L (2)
RSYNC_L (4)
PB (4)
PR (4)
VIDEO_MON (3)
VIDEO (3)
-12V (1)
+12V (1)
-5.6V
+5.6V

PAT=PATTERN ONLY

Ref No. 3500 Series.

COMPONENT NAME	AV I/O (CONNECT)	05/05
CIRCUIT BOARD NO.	MODEL NO.	
VEP84320A	AJ-D95DC	
	SCM056	


FE_CTRL_L1
FE_CTRL_L2
FE_CTRL_R1
FE_CTRL_R2
FE_L1
FE_L2
FE_R1
FE_R2
FE_L1_P
FE_L1_N
FE_L2_P
FE_L2_N
FE_R1_P
FE_R1_N
FE_R2_P
FE_R2_N
RECCTRL_L1
RECCTRL_L2
RECCTRL_R1
RECCTRL_R2
REC_L
REC_R
REC_INV_L
REC_INV_R
REC_CTRL_L1
REC_CTRL_L2
REC_CTRL_R1
REC_CTRL_R2
REC_ENABLE_L1
REC_ENABLE_L2
REC_ENABLE_R1
REC_ENABLE_R2
REC_INV_L1
REC_INV_L2
REC_INV_R1
REC_INV_R2
IC101 TVHC08FTEL
IC102 TVHC08FTEL
IC103 TVHC32FTEL
IC104 TCTW32FUTL
IC105 TVHT04FTEL
TP101
TP102
TP103
TP104
TG101
CP101
1
2
3
4
5
6
7
8
9
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11
12
13
14
15
A
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C
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E
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H
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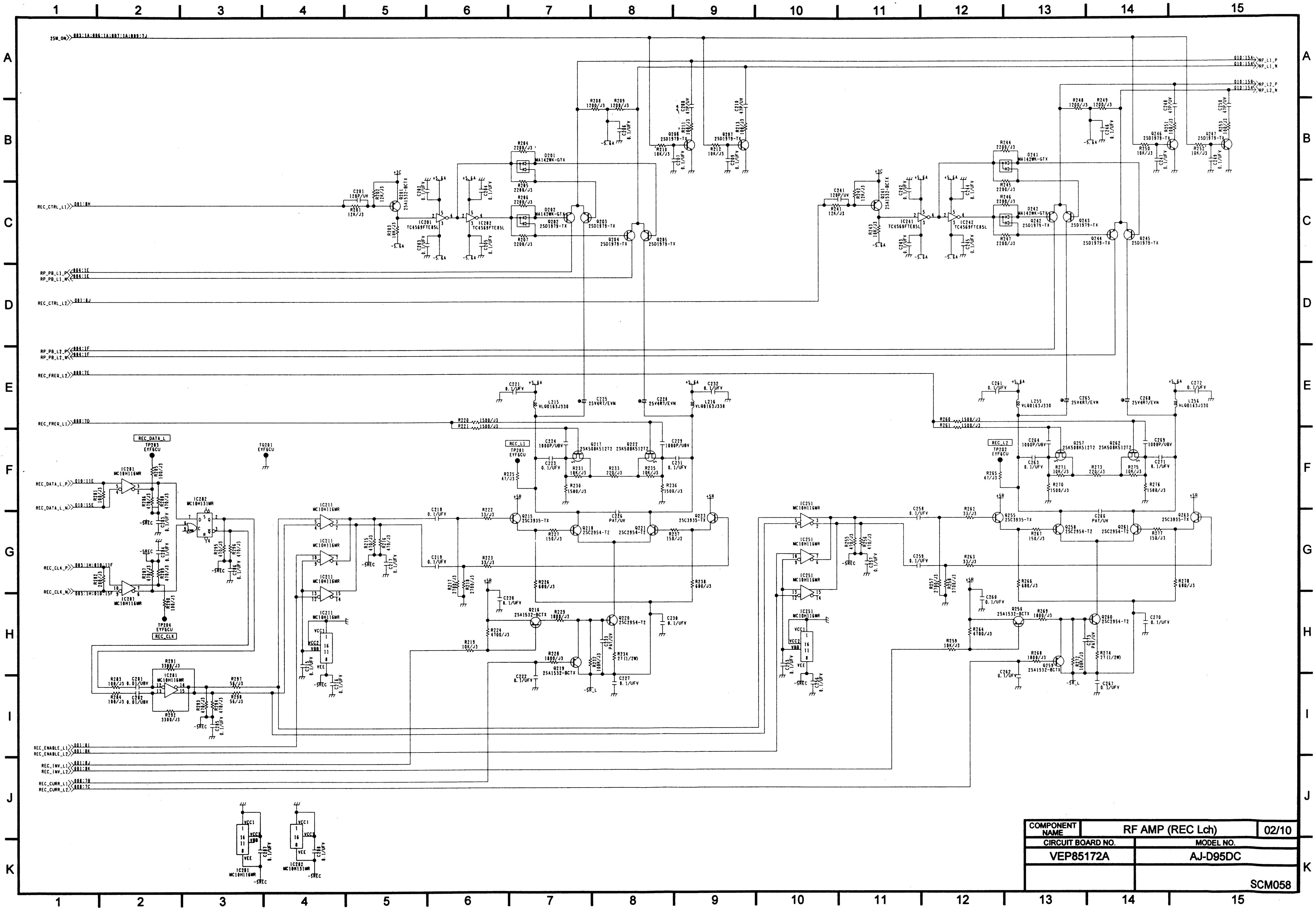
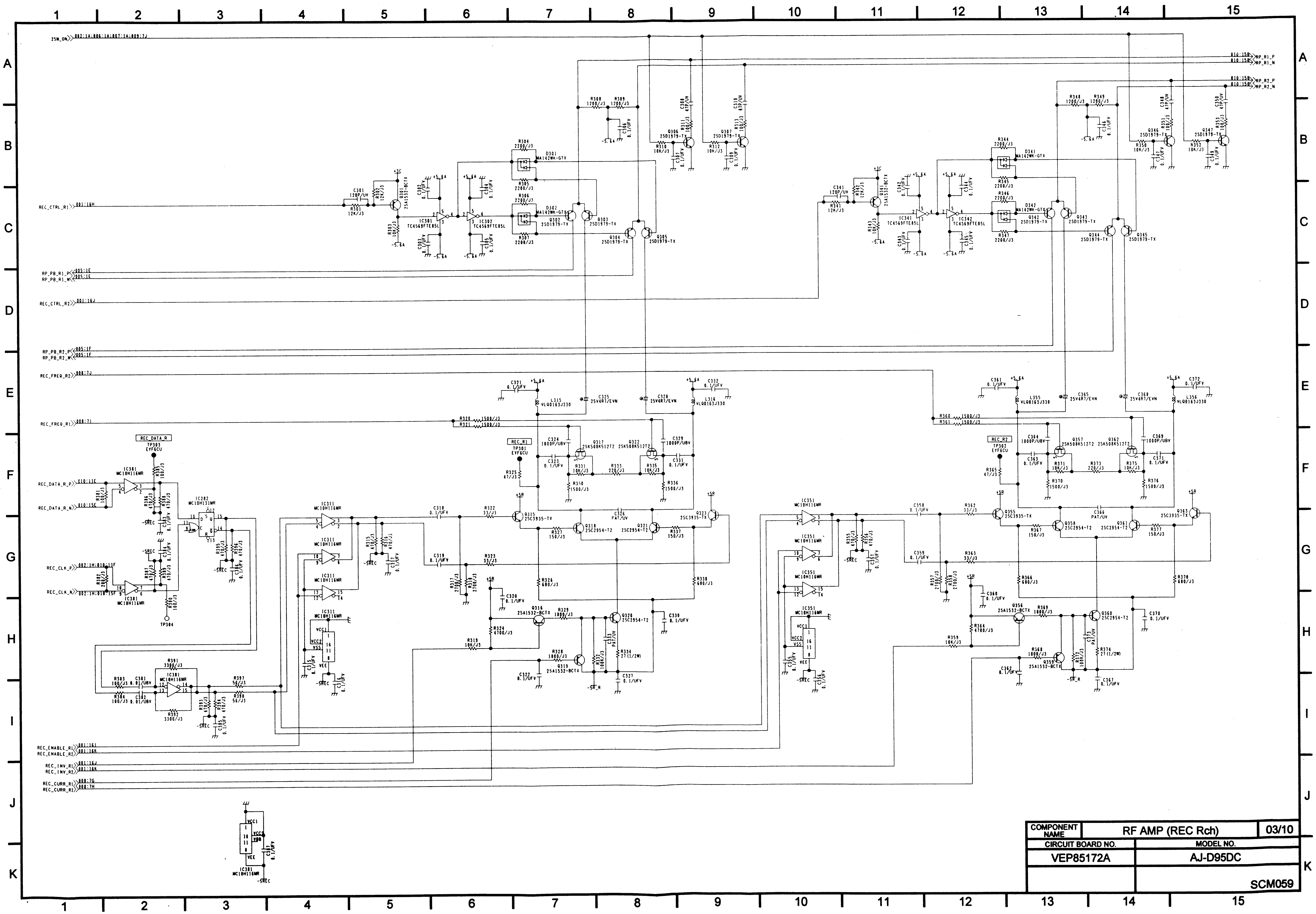
J
K

COMPONENT NAME	RF AMP (ERACE/REC CTRL)	01/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP85172A	AJ-D95DC	
	SCM057	


25M_ON 003:1A:006:1A:007:1A:009:7J
REC_CTRL_L1 001:8H
RP_PB_L1_P 004:1E
RP_PB_L1_N 004:1E
REC_CTRL_L2 001:8J
RP_PB_L2_P 004:1F
RP_PB_L2_N 004:1F
REC_FREQ_L2 008:7E
REC_FREQ_L1 008:7D
REC_DATA_L
TP203 EYF6CU
TG201 EYF6CU
REC_DATA_L_P 010:11E
REC_DATA_L_N 010:15E
REC_CLK_P 003:1H:010:11F
REC_CLK_N 003:1H:010:15F
TP204 EYF6CU
REC_CLK
IC281 MC10H116MR
IC282 MC10H131MR
IC211 MC10H116MR
IC251 MC10H116MR
IC201 TC4S69FTE85L
IC202 TC4S69FTE85L
IC241 TC4S69FTE85L
IC242 TC4S69FTE85L
REC_ENABLE_L1 001:8I
REC_ENABLE_L2 001:8K
REC_INV_L1 001:8J
REC_INV_L2 001:8K
REC_CURR_L1 008:7B
REC_CURR_L2 008:7C
RP_L1_P 010:15A
RP_L1_N 010:15A
RP_L2_P 010:15B
RP_L2_N 010:15A
REC_L1
TP201 EYF6CU
REC_L2
TP202 EYF6CU
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

COMPONENT NAME	RF AMP (REC Lch)	02/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP85172A	AJ-D95DC	

SCM058


25M_ON
REC_CTRL_R1
RP_PB_R1_P
RP_PB_R1_N
REC_CTRL_R2
RP_PB_R2_P
RP_PB_R2_N
REC_FREQ_R2
REC_FREQ_R1
REC_DATA_R
REC_DATA_R_P
REC_DATA_R_N
REC_CLK_P
REC_CLK_N
REC_ENABLE_R1
REC_ENABLE_R2
REC_INV_R1
REC_INV_R2
REC_CURR_R1
REC_CURR_R2
RP_R1_P
RP_R1_N
RP_R2_P
RP_R2_N
REC_R1
REC_R2
TP303
TP304
TP301
TP302
EYF6CU
IC301 TC4S69FTE85L
IC302 TC4S69FTE85L
IC341 TC4S69FTE85L
IC342 TC4S69FTE85L
IC381 MC10H116MR
IC282 MC10H131MR
IC311 MC10H116MR
IC351 MC10H116MR
D301 MA142WK-GTX
D302 MA142WK-GTX
D341 MA142WK-GTX
D342 MA142WK-GTX
Q301 2SA1532-BCTX
Q341 2SA1532-BCTX
Q302 2SD1979-TX
Q303 2SD1979-TX
Q304 2SD1979-TX
Q305 2SD1979-TX
Q306 2SD1979-TX
Q307 2SD1979-TX
Q342 2SD1979-TX
Q343 2SD1979-TX
Q344 2SD1979-TX
Q345 2SD1979-TX
Q346 2SD1979-TX
Q347 2SD1979-TX
Q315 2SC3935-TX
Q323 2SC3935-TX
Q355 2SC3935-TX
Q363 2SC3935-TX
Q317 2SK508K512T2
Q322 2SK508K512T2
Q357 2SK508K512T2
Q362 2SK508K512T2
Q318 2SC2954-T2
Q321 2SC2954-T2
Q320 2SC2954-T2
Q358 2SC2954-T2
Q361 2SC2954-T2
Q360 2SC2954-T2
Q316 2SA1532-BCTX
Q319 2SA1532-BCTX
Q356 2SA1532-BCTX
Q359 2SA1532-BCTX
L315 VLQ0163J330
L316 VLQ0163J330
L355 VLQ0163J330
L356 VLQ0163J330
C325 25V4R7/EVN
C328 25V4R7/EVN
C365 25V4R7/EVN
C368 25V4R7/EVN
+5_6A
-5_6A
+5C
+5R
-5REC
-5R_R
1
2
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4
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14
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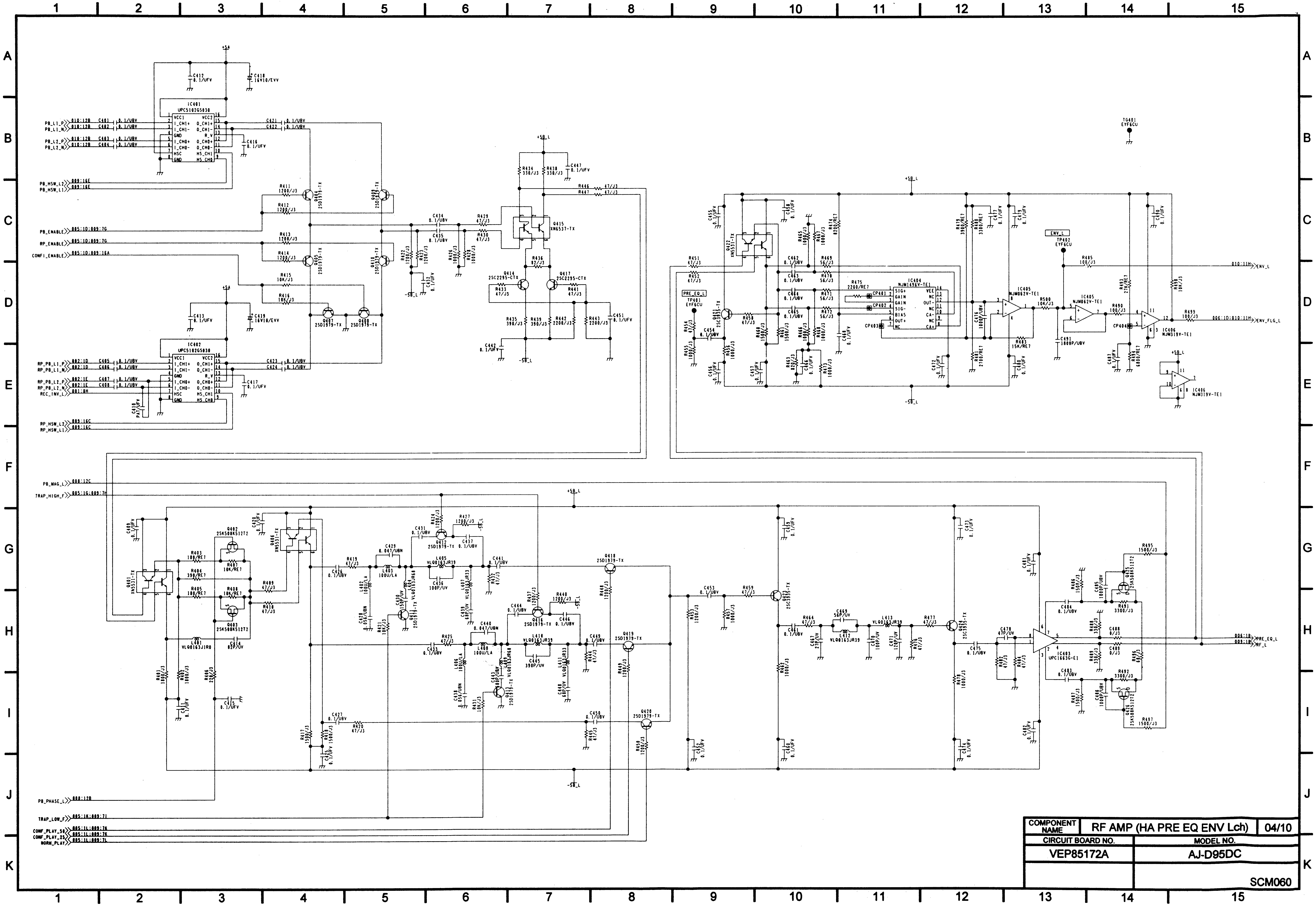
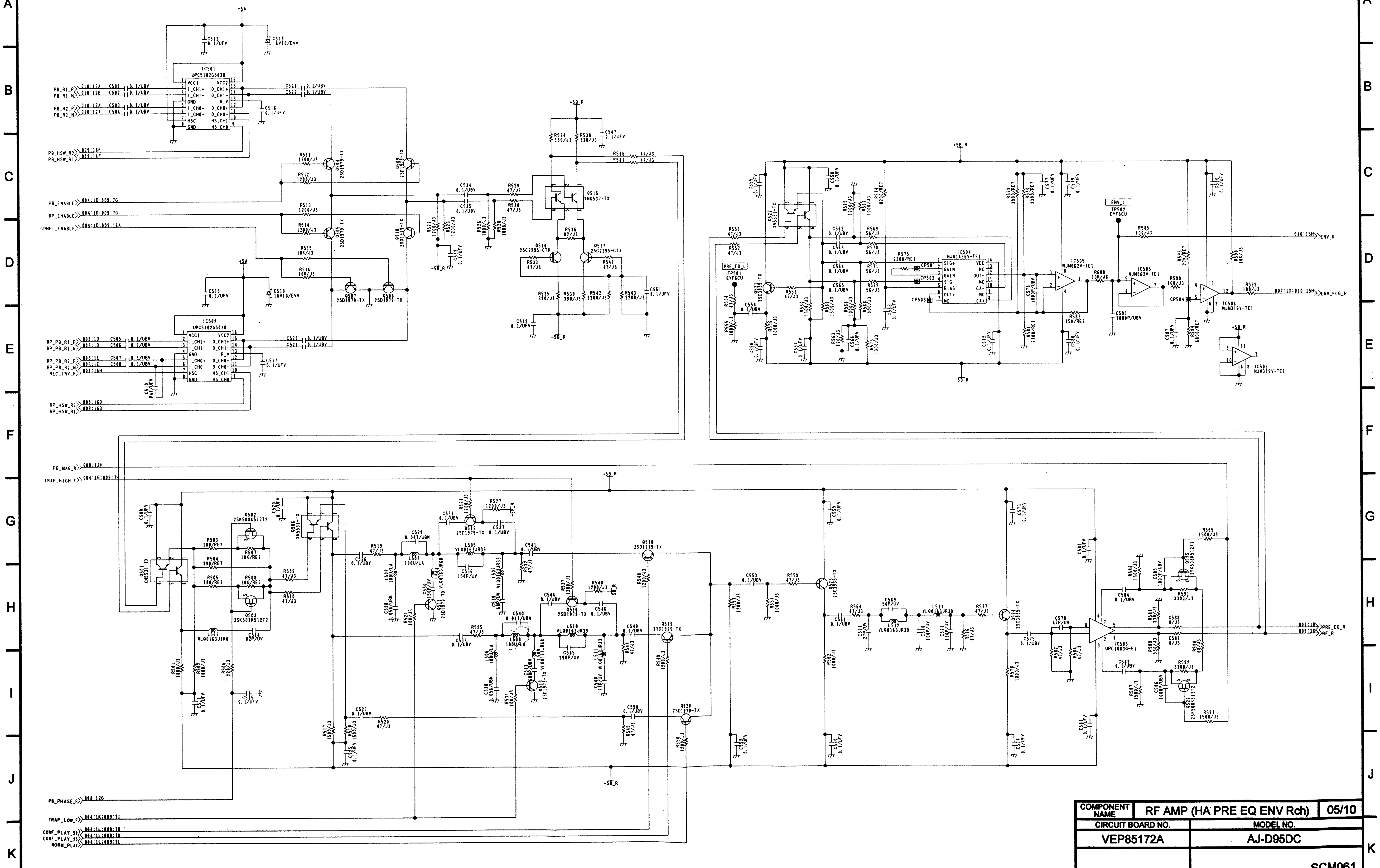
COMPONENT NAME	RF AMP (REC Rch)	03/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP85172A	AJ-D95DC	

SCM059


IC401 UPC5102GS030
IC402 UPC5102GS030
IC404 NJM1456V-TE1
IC405 NJM062V-TE1
IC406 NJM319V-TE1
IC403 UPC1663G-E1
Q415 XN6537-TX
Q414 2SC2295-CTX
Q417 2SC2295-CTX
Q401 XN6531-TX
Q402 2SK508K51ZT2
Q403 2SK508K51ZT2
Q406 XN6531-TX
Q418 2SD1979-TX
Q419 2SD1979-TX
Q420 2SD1979-TX
TG401 EYF6CU
TP401 EYF6CU
TP402 EYF6CU
PB_L1_P
PB_L1_N
PB_L2_P
PB_L2_N
PB_HSW_L2
PB_HSW_L1
PB_ENABLE
RP_ENABLE
COMFI_ENABLE
RP_PB_L1_P
RP_PB_L1_N
RP_PB_L2_P
RP_PB_L2_N
REC_INV_L
RP_HSW_L2
RP_HSW_L1
PB_MAG_L
TRAP_HIGH_F
PB_PHASE_L
TRAP_LOW_F
COMF_PLAY_50
COMF_PLAY_25
NORM_PLAY
PRE_EQ_L
ENV_L
ENV_L
ENV_FLG_L
PRE_EQ_L
RF_L
+5A
+5B_L
-5B_L

COMPONENT NAME	RF AMP (HA PRE EQ ENV Lch)	04/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP85172A	AJ-D95DC	

SCM060


IC501
UPC5102GS030
IC502
UPC5102GS030
IC503
UPC1663G-E1
IC504
NJM1496V-TE1
IC505
NJM062V-TE1
IC506
NJM319V-TE1
+5A
+5B_R
-5B_R
PB_R1_P
PB_R1_N
PB_R2_P
PB_R2_N
PB_HSW_R2
PB_HSW_R1
PB_ENABLE
RP_ENABLE
CONFI_ENABLE
RP_PB_R1_P
RP_PB_R1_N
RP_PB_R2_P
RP_PB_R2_N
REC_INV_R
RP_HSW_R2
RP_HSW_R1
PB_MAG_R
TRAP_HIGH_F
PB_PHASE_R
TRAP_LOW_F
CONF_PLAY_50
CONF_PLAY_25
NORM_PLAY
PRE_EQ_L
TP501
EYF6CU
ENV_L
TP502
EYF6CU
ENV_R
ENV_FLG_R
PRE_EQ_R
RF_R
CP501
CP502
CP503
CP504
Q501
XN6531-TX
Q502
2SK508K512T2
Q503
2SK508K512T2
Q515
XN6537-TX
Q514
2SC2295-CTX
Q517
2SC2295-CTX
Q518
2SD1979-TX
Q519
2SD1979-TX
Q520
2SD1979-TX
Q525
2SK508K512T2
Q526
2SK508K512T2
1
2
3
4
5
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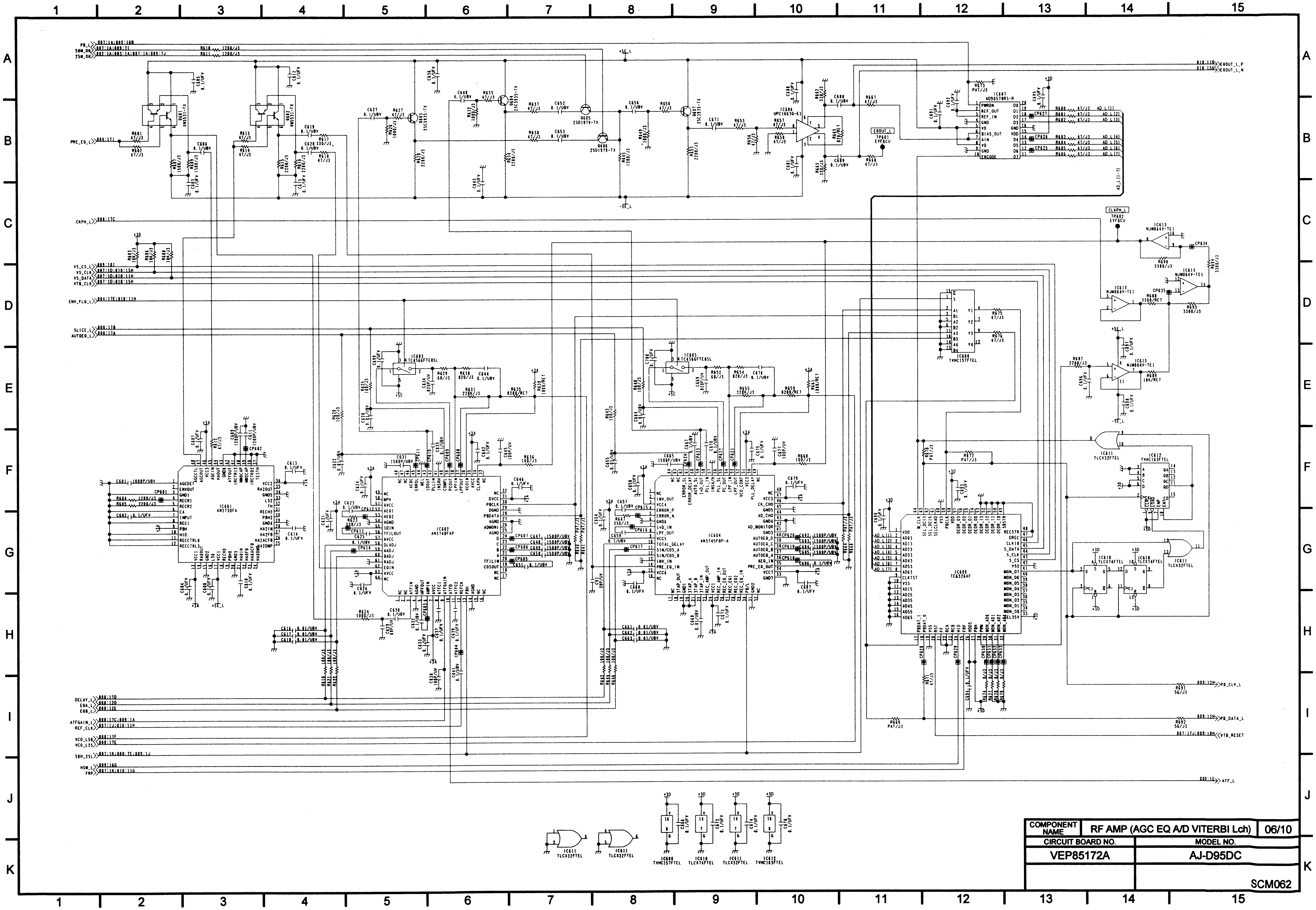
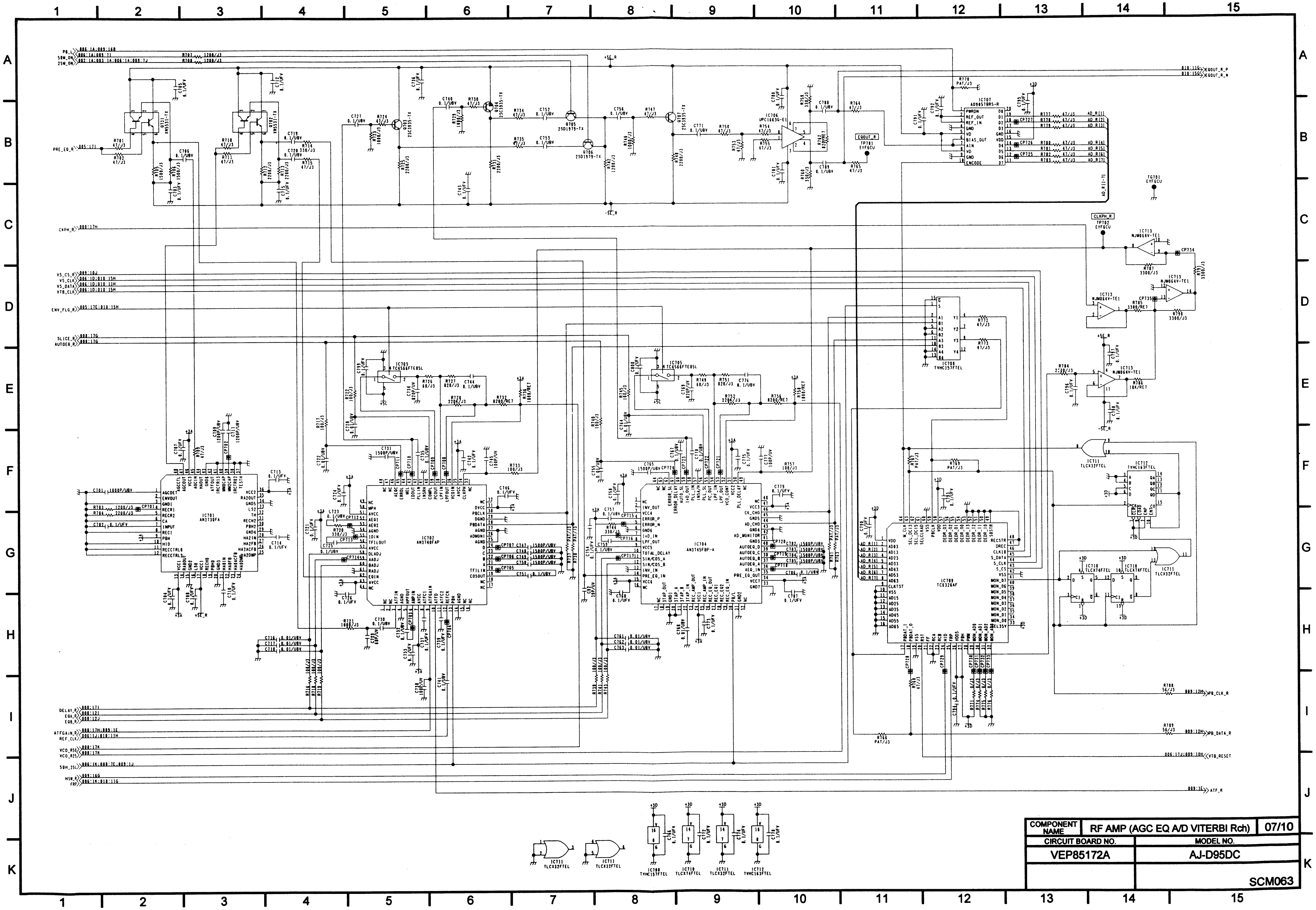
COMPONENT NAME	RF AMP (HA PRE EQ ENV Rch)	05/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP85172A	AJ-D95DC	
	SCM061	


PB_L
50M_ON
25M_ON
PRE_EQ_L
CKPH_L
VS_CS_L
VS_CLK
VS_DATA
VTB_CLK
ENV_FLG_L
SLICE_L
AUTOEQ_L
DELAY_L
EQA_L
EQB_L
ATFG4IN_L
REF_CLK
VCO_L50
VCO_L25
50H_25L
HSW_L
FRP
EQOUT_L_P
EQOUT_L_N
EQOUT_L
TP601
CLKPH_L
TP602
PB_CLK_L
PB_DATA_L
VTB_RESET
ATF_L
Q601 XN5531-TX
Q602 XN5531-TX
Q603 2SC3935-TX
Q604 2SC3935-TX
Q605 2SD1979-TX
Q606 2SD1979-TX
Q607 2SC3935-TX
IC601 AN3730FA
IC602 AN3740FAP
IC603 TC4S66FTE85L
IC604 AN3745FBP-A
IC605 TC4S66FTE85L
IC606 UPC1663G-E1
IC607 AD9057BRS-R
IC608 TVHC157FTEL
IC609 TC6326AF
IC610 TLCX74FTEL
IC611 TLCX32FTEL
IC612 TVHC163FTEL
IC613 NJM064V-TE1
+5C_L
-5C_L
+3D
+3A

COMPONENT NAME	RF AMP (AGC EQ A/D VITERBI Lch)	06/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP85172A	AJ-D95DC	

SCM062


1
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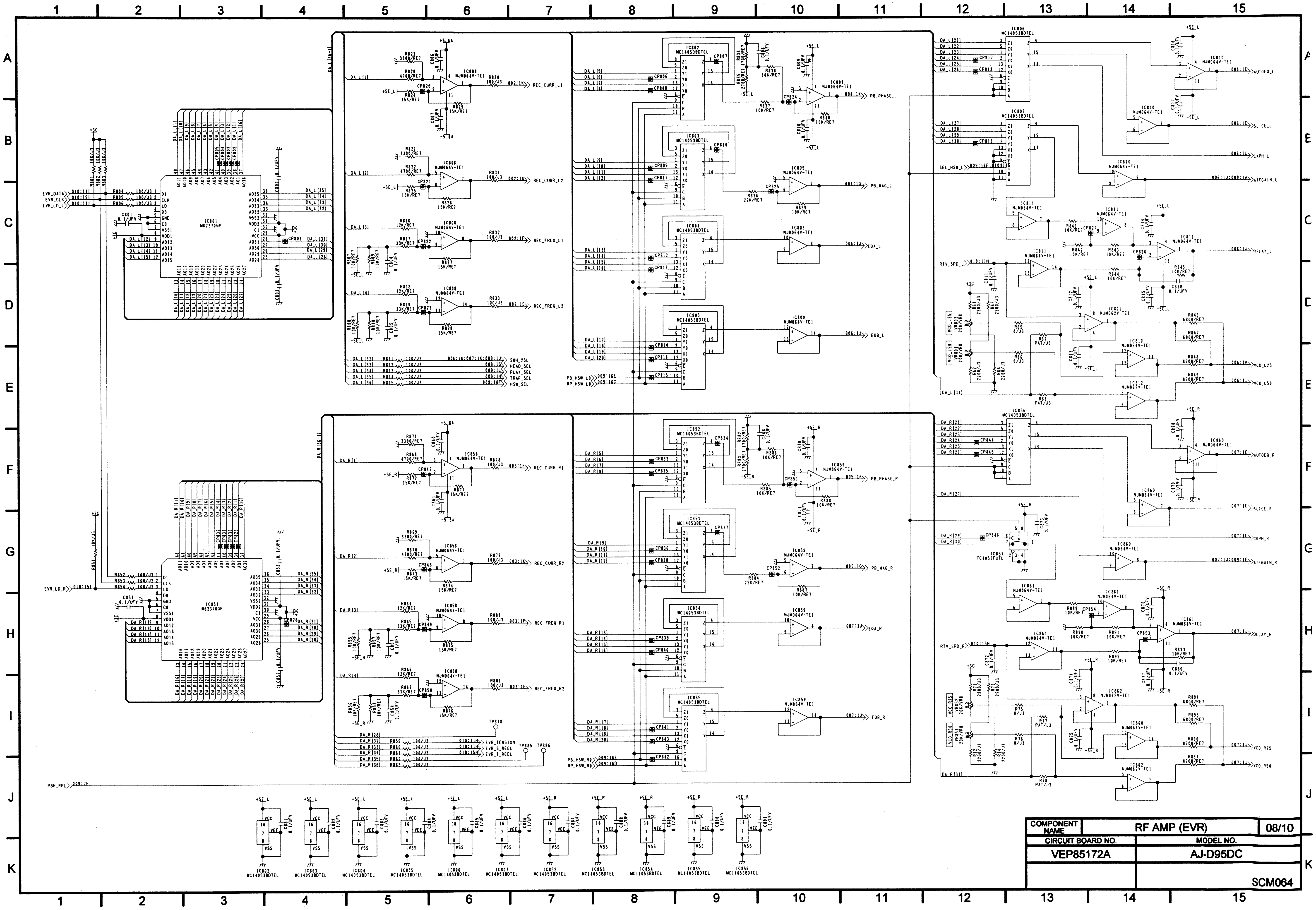
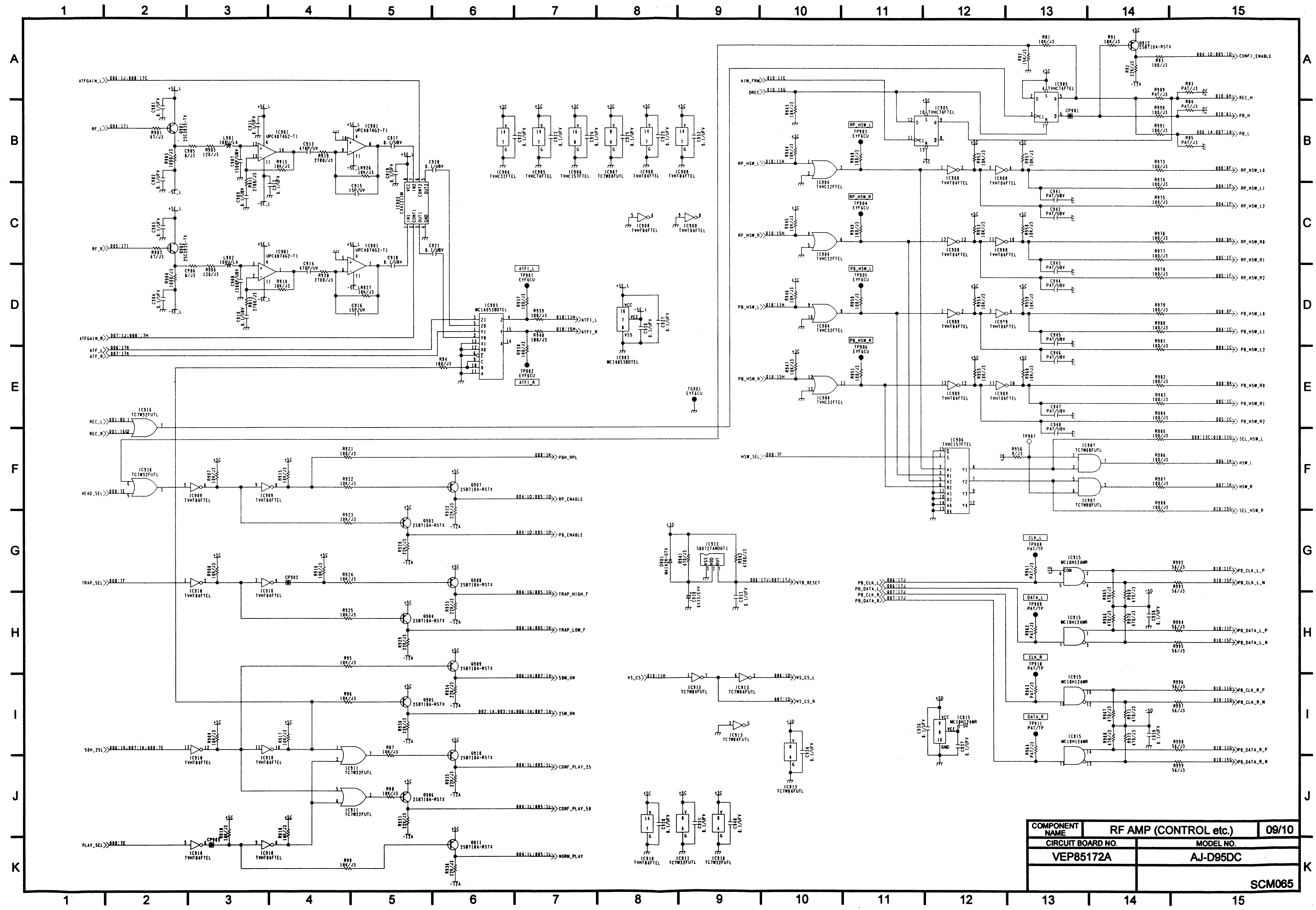
14
15
A
B
C
D
E
F
G
H
I
J
K
PB
SBW_ON
2SW_ON
PRE_EQ_R
CKPH_R
VS_CS_R
VS_CLK
VS_DATA
VTB_CLK
ENV_FLG_R
SLICE_R
AUTOEQ_R
DELAY_R
EQA_R
EQB_R
ATFGAIN_R
REF_CLK
VCO_RSG
VCO_R2S
SOH_25L
HSW_R
FRP
EQOUT_R_P
EQOUT_R_N
EQOUT_R
CLKPH_R
PB_CLK_R
PB_DATA_R
VTB_RESET
ATF_R
+5E_R
-5E_R
IC701
AN3730FA
IC702
AN3740FAP
IC703
TC4S66FTE85L
IC704
AN3745FBP-A
IC705
TC4S66FTE85L
IC706
UPC1663G-E1
IC707
AD9057BRS-R
IC708
TVHC157FTEL
IC709
TC6326AF
IC710
TLCX74FTEL
IC711
TLCX32FTEL
IC712
TVHC163FTEL
IC713
NJM064V-TE1
Q701
XN5537-TX
Q702
XN5537-TX
Q703
2SC3935-TX
Q704
2SC3935-TX
Q705
2SD1979-TX
Q706
2SD1979-TX
Q707
2SC3935-TX
TP701
TP702
TG701
EYF6CU

COMPONENT NAME	RF AMP (AGC EQ A/D VITERBI Rch)	07/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP85172A	AJ-D95DC	
	SCM063	


IC801 M62370GP
IC851 M62370GP
IC802 MC14053BDTEL
IC803 MC14053BDTEL
IC804 MC14053BDTEL
IC805 MC14053BDTEL
IC806 MC14053BDTEL
IC807 MC14053BDTEL
IC852 MC14053BDTEL
IC853 MC14053BDTEL
IC854 MC14053BDTEL
IC855 MC14053BDTEL
IC856 MC14053BDTEL
IC857 TC4W53FUTL
IC808 NJM064V-TE1
IC809 NJM064V-TE1
IC810 NJM064V-TE1
IC811 NJM064V-TE1
IC812 NJM062V-TE1
IC858 NJM064V-TE1
IC859 NJM064V-TE1
IC860 NJM064V-TE1
IC861 NJM064V-TE1
IC862 NJM062V-TE1
EVR_DATA
EVR_CLK
EVR_LD_L
EVR_LD_R
REC_CURR_L1
REC_CURR_L2
REC_FREQ_L1
REC_FREQ_L2
REC_CURR_R1
REC_CURR_R2
REC_FREQ_R1
REC_FREQ_R2
SBH_25L
HEAD_SEL
PLAY_SEL
TRAP_SEL
HSW_SEL
EVR_TENSION
EVR_S_REEL
EVR_T_REEL
TP878
TP885
TP886
PBH_RPL
PB_HSW_L
RP_HSW_L
PB_HSW_R
RP_HSW_R
PB_PHASE_L
PB_MAG_L
EQA_L
EQB_L
PB_PHASE_R
PB_MAG_R
EQA_R
EQB_R
AUTOEQ_L
SLICE_L
CKPH_L
ATFGAIN_L
DELAY_L
VCO_L25
VCO_L50
AUTOEQ_R
SLICE_R
CKPH_R
ATFGAIN_R
DELAY_R
VCO_R25
VCO_R50
SEL_HSW_L
RTV_SPD_L
RTV_SPD_R
+5E_L
+5E_R
-5E_L
-5E_R
+5_6A
-5_6A
+5C
VCC
VEE
VSS
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

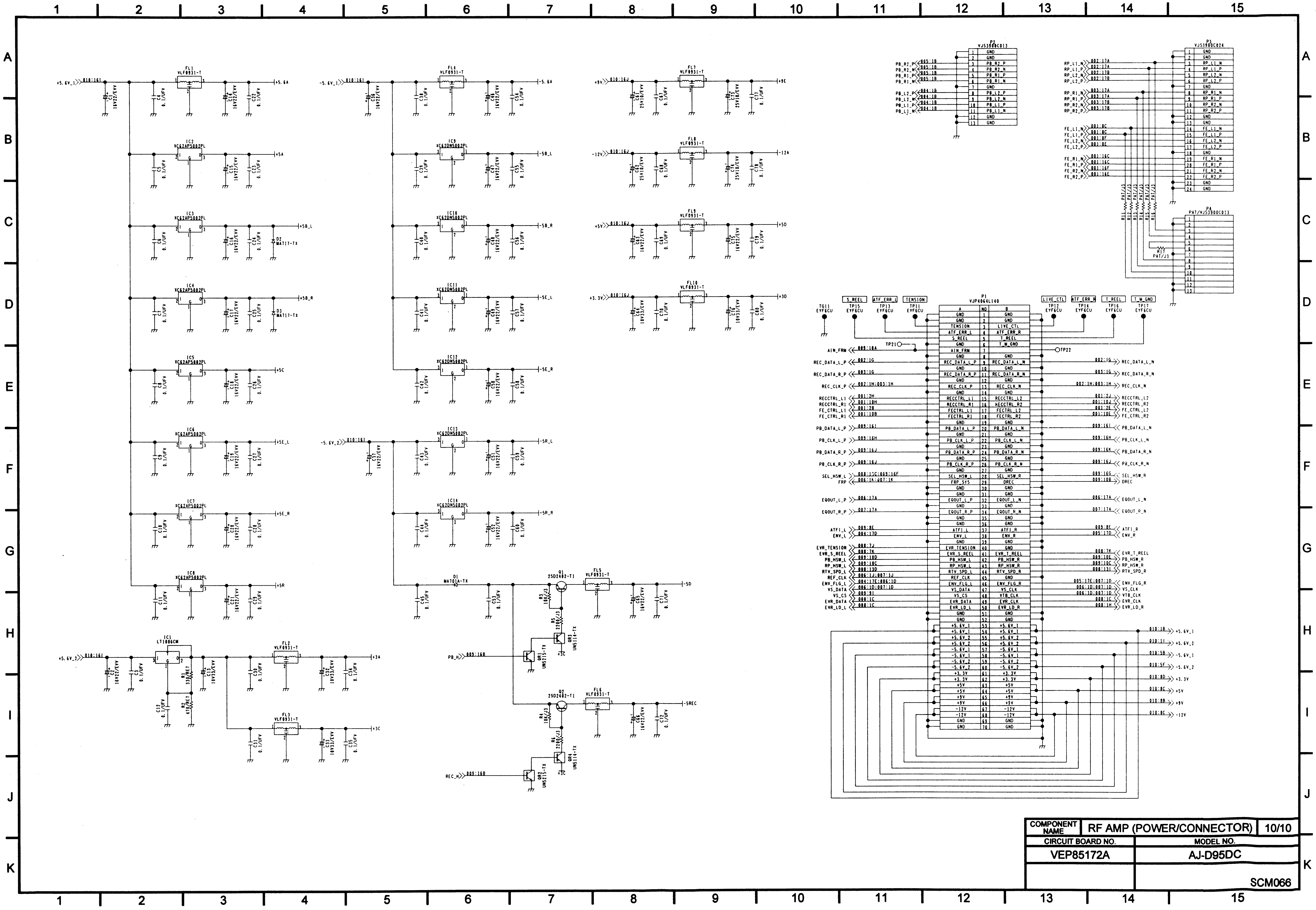
COMPONENT NAME	RF AMP (EVR)	08/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP85172A	AJ-D95DC	

SCM064


ATFGAIN_L
RF_L
RF_R
ATFGAIN_R
ATF_L
ATF_R
IC901 UPC4074G2-T1
IC902 CXA1211M
IC903 MC14053BDTEL
TP901 ATF1_L
TP902 ATF1_R
ATF1_L
ATF1_R
IC904 TVHC32FTEL
IC905 TVHC74FTEL
IC906 TVHC157FTEL
IC907 TC7W08FUTL
IC908 TVHT04FTEL
IC909 TVHT04FTEL
REC_L
REC_R
HEAD_SEL
TRAP_SEL
50H_25L
PLAY_SEL
IC916 TC7W32FUTL
IC909 TVHT04FTEL
IC910 TVHT04FTEL
IC911 TC7W32FUTL
PBH_RPL
RP_ENABLE
PB_ENABLE
TRAP_HIGH_F
TRAP_LOW_F
50M_ON
25M_ON
CONF_PLAY_25
CONF_PLAY_50
NORM_PLAY
Q907 Q903 Q908 Q904 Q909 Q905 Q910 Q906 Q911 2SB710A-RSTX
IC912 S80727ANDQT1
VTB_RESET
VS_CS
VS_CS_L
VS_CS_R
IC913 TC7W04FUTL
TG901 EYF6CU
AIN_FRM
DREC
RP_HSW_L
RP_HSW_R
PB_HSW_L
PB_HSW_R
HSW_SEL
TP903 RP_HSW_L
TP904 RP_HSW_R
TP905 PB_HSW_L
TP906 PB_HSW_R
Q913 2SB710A-RSTX
CONFI_ENABLE
REC_H
PB_H
PB_L
RP_HSW_L0
RP_HSW_L1
RP_HSW_L2
RP_HSW_R0
RP_HSW_R1
RP_HSW_R2
PB_HSW_L0
PB_HSW_L1
PB_HSW_L2
PB_HSW_R0
PB_HSW_R1
PB_HSW_R2
SEL_HSW_L
HSW_L
HSW_R
SEL_HSW_R
TP907
IC915 MC10H124MR
CLK_L TP908
DATA_L TP909
CLK_R TP910
DATA_R TP911
PB_CLK_L
PB_DATA_L
PB_CLK_R
PB_DATA_R
PB_CLK_L_P
PB_CLK_L_N
PB_DATA_L_P
PB_DATA_L_N
PB_CLK_R_P
PB_CLK_R_N
PB_DATA_R_P
PB_DATA_R_N
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

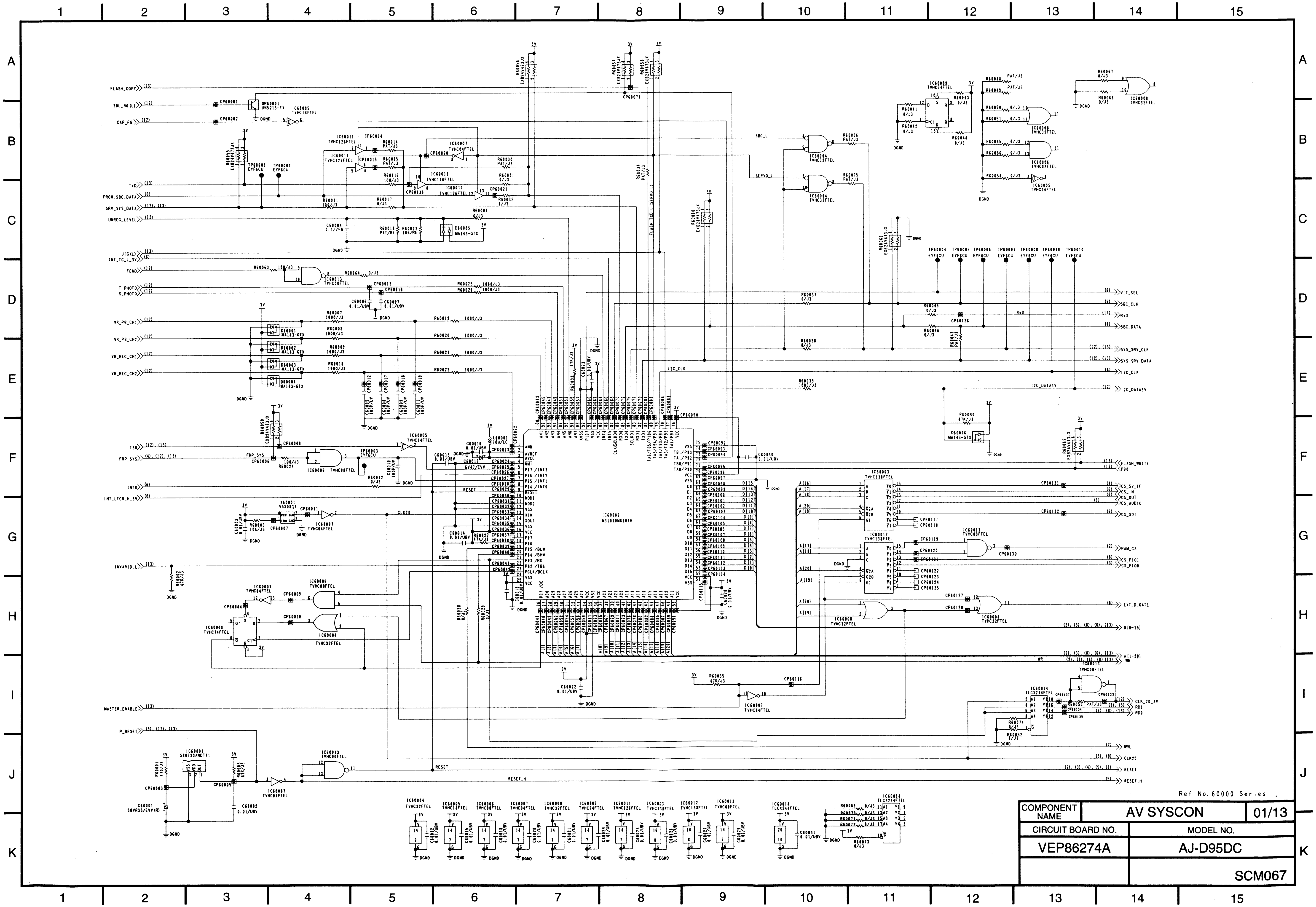
COMPONENT NAME	RF AMP (CONTROL etc.)	09/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP85172A	AJ-D95DC	

SCM065


FL1 VLF0931-T
FL4 VLF0931-T
FL7 VLF0931-T
FL8 VLF0931-T
FL9 VLF0931-T
FL10 VLF0931-T
FL2 VLF0931-T
FL3 VLF0931-T
FL5 VLF0931-T
FL6 VLF0931-T
IC1 LT1086CM
IC2 XC62AP5002PL
IC3 XC62AP5002PL
IC4 XC62AP5002PL
IC5 XC62AP5002PL
IC6 XC62AP5002PL
IC7 XC62AP5002PL
IC8 XC62AP5002PL
IC9 XC62DN5002PL
IC10 XC62DN5002PL
IC11 XC62DN5002PL
IC12 XC62DN5002PL
IC13 XC62DN5002PL
IC14 XC62DN5002PL
D1 MA701A-TX
D2 MA717-TX
D3 MA717-TX
Q1 2SD2402-T1
Q2 2SD2402-T1
QR1 UN5114-TX
QR2 UN5213-TX
QR3 UN5213-TX
QR4 UN5114-TX
+5.6V_1
-5.6V_1
-5.6V_2
+5.6V_2
+9V
-12V
+5V
+3.3V
+5.6A
-5.6A
+9E
-12A
+5D
+3D
+5A
+5B_L
+5B_R
+5C
+5E_L
+5E_R
+5R
-5B_L
-5B_R
-5E_L
-5E_R
-5R_L
-5R_R
+3A
+3C
-5D
-5REC
PB_H
REC_H
P1 VJP4064L140
P2 VJS3900C013
P3 VJS3900C024
P4 PAT/VJS3900C013
R11 R12 R13 R14 R15 R16 PAT/J3
R17 PAT/J3
TG11 TP15 TP13 TP11 TP12 TP14 TP16 TP17 EYF6CU
TP21
TP22
S_REEL
ATF_ERR_L
TENSION
LIVE_CTL
ATF_ERR_R
T_REEL
T_M_GND
AIN_FRM
REC_DATA_L_P
REC_DATA_R_P
REC_CLK_P
RECCTRL_L1
RECCTRL_R1
FE_CTRL_L1
FE_CTRL_R1
PB_DATA_L_P
PB_CLK_L_P
PB_DATA_R_P
PB_CLK_R_P
SEL_HSW_L
FRP
EQOUT_L_P
EQOUT_R_P
ATFI_L
ENV_L
EVR_TENSION
EVR_S_REEL
PB_HSW_L
RP_HSW_L
RTV_SPD_L
REF_CLK
ENV_FLG_L
VS_DATA
VS_CS
EVR_DATA
EVR_LD_L
REC_DATA_L_N
REC_DATA_R_N
REC_CLK_N
RECCTRL_L2
RECCTRL_R2
FE_CTRL_L2
FE_CTRL_R2
PB_DATA_L_N
PB_CLK_L_N
PB_DATA_R_N
PB_CLK_R_N
SEL_HSW_R
DREC
EQOUT_L_N
EQOUT_R_N
ATFI_R
ENV_R
EVR_T_REEL
PB_HSW_R
RP_HSW_R
RTV_SPD_R
ENV_FLG_R
VS_CLK
EVR_CLK
EVR_LD_R
PB_R2_P PB_R2_N PB_R1_P PB_R1_N
PB_L2_P PB_L2_N PB_L1_P PB_L1_N
RP_L1_N RP_L1_P RP_L2_N RP_L2_P
RP_R1_N RP_R1_P RP_R2_N RP_R2_P
FE_L1_N FE_L1_P FE_L2_N FE_L2_P
FE_R1_N FE_R1_P FE_R2_N FE_R2_P
GND
+5.6V_1 +5.6V_2 -5.6V_1 -5.6V_2 +3.3V +5V +9V -12V

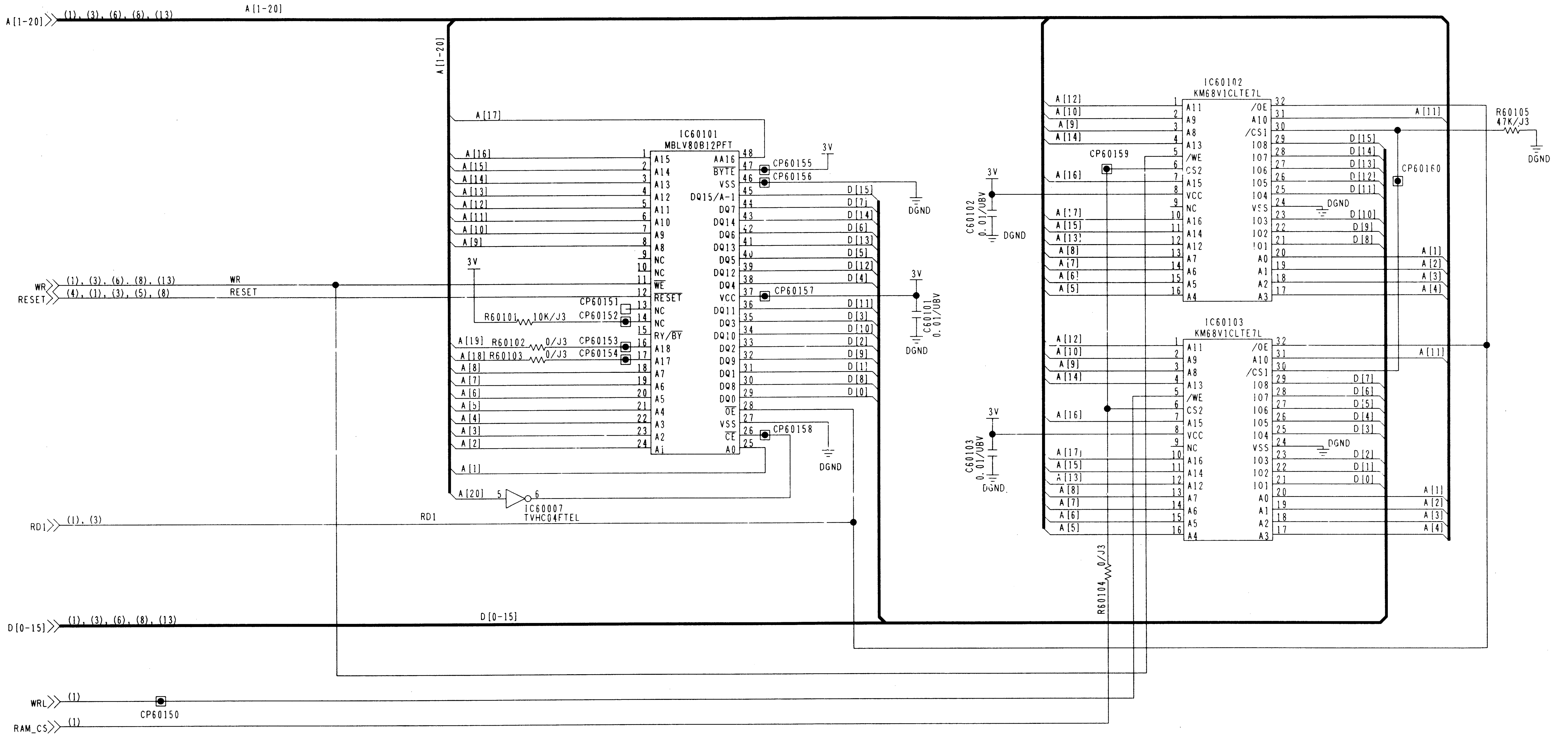
COMPONENT NAME	RF AMP (POWER/CONNECTOR)	10/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP85172A	AJ-D95DC	

SCM066


FLASH_COPY
SDL_NG(L)
CAP_FG
TxD
FROM_SBC_DATA
SRV_SYS_DATA
UNREG_LEVEL
JIG(L)
INT_TC_L_3V
FEND
T_PHOTO
S_PHOTO
VR_PB_CH1
VR_PB_CH2
VR_REC_CH1
VR_REC_CH2
TSR
FRP_SYS
INTR
INT_LTCR_H_3V
INVARID_L
MASTER_ENABLE
P_RESET
IC60002
M30100M6104H
WIT_SEL
SBC_CLK
RxD
SBC_DATA
SYS_SRV_CLK
SYS_SRV_DATA
I2C_CLK
I2C_DATA3V
FLASH_WRITE
P90
CS_SV_IF
CS_IN
CS_OUT
CS_AUDIO
CS_SDI
RAM_CS
CS_PIO1
CS_PIO0
EXT_D_GATE
D[0-15]
A[1-20]
WR
CLK_20_3V
RD1
RD0
WRL
CLK20
RESET
RESET_H
DGND
3V

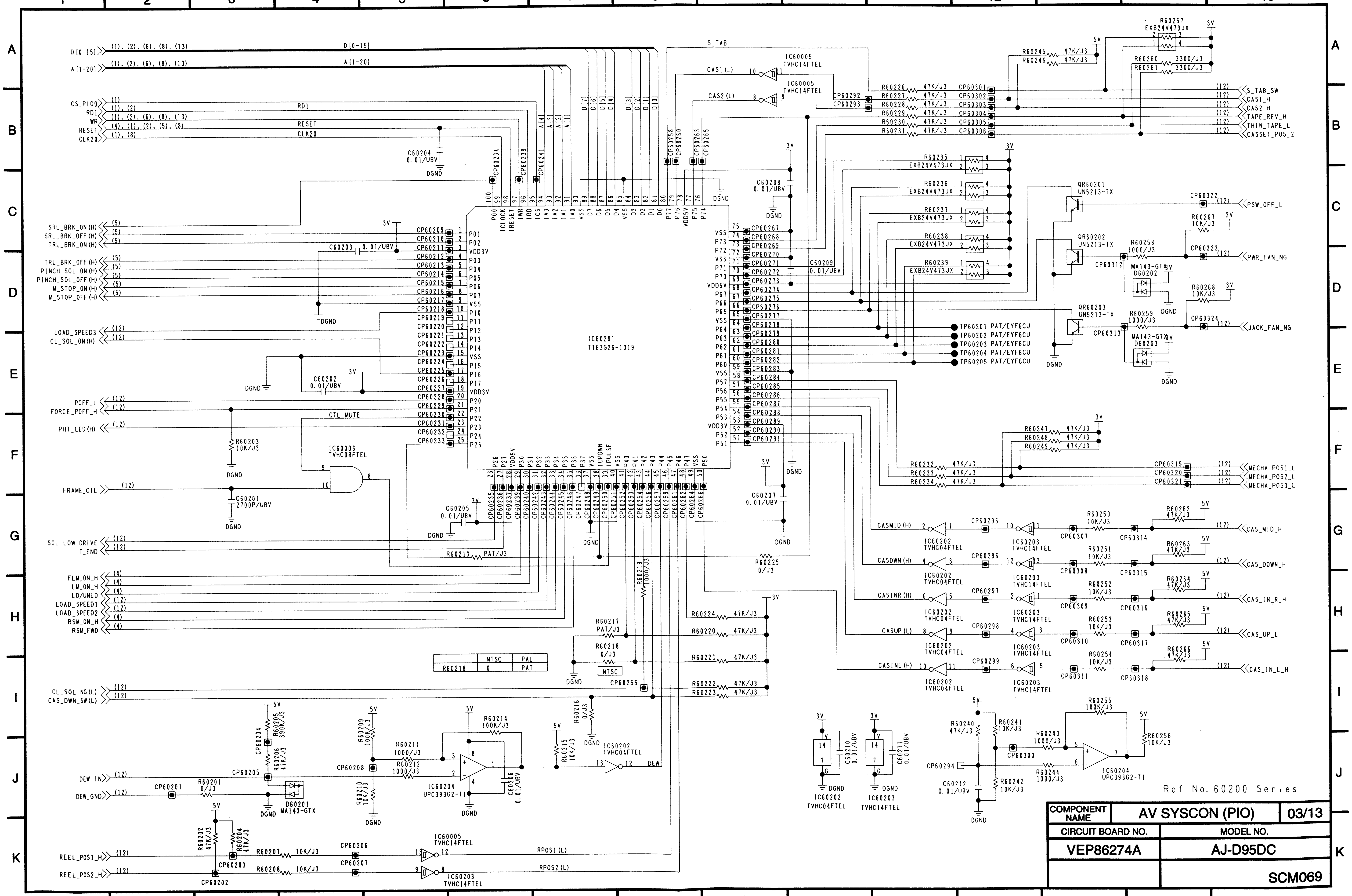
Ref No. 60000 Series

COMPONENT NAME	AV SYSCON	01/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP86274A	AJ-D95DC	
	SCM067	


A[1-20]
(1), (3), (6), (6), (13)
WR
RESET
(1), (3), (6), (8), (13)
(4), (1), (3), (5), (8)
RD1
(1), (3)
D[0-15]
(1), (3), (6), (8), (13)
WRL
(1)
RAM_CS
(1)
CP60150
IC60101
MBLV80B12PFT
A15
A14
A13
A12
A11
A10
A9
A8
NC
WE
RESET
RY/BY
A18
A17
A7
A6
A5
A4
A3
A2
A1
AA16
BYTE
VSS
DQ15/A-1
DQ7
DQ14
DQ6
DQ13
DQ5
DQ12
DQ4
VCC
DQ11
DQ3
DQ10
DQ2
DQ9
DQ1
DQ8
DQ0
OE
CE
A0
CP60151
CP60152
CP60153
CP60154
CP60155
CP60156
CP60157
CP60158
R60101 10K/J3
R60102 0/J3
R60103 0/J3
3V
DGND
C60101 0.01/UBV
IC60007
TVHC04FTEL
IC60102
KM68V1CLTE7L
IC60103
KM68V1CLTE7L
/OE
/CS1
/WE
CS2
I08
I07
I06
I05
I04
I03
I02
I01
CP60159
CP60160
C60102 0.01/UBV
C60103 0.01/UBV
R60104 0/J3
R60105 47K/J3

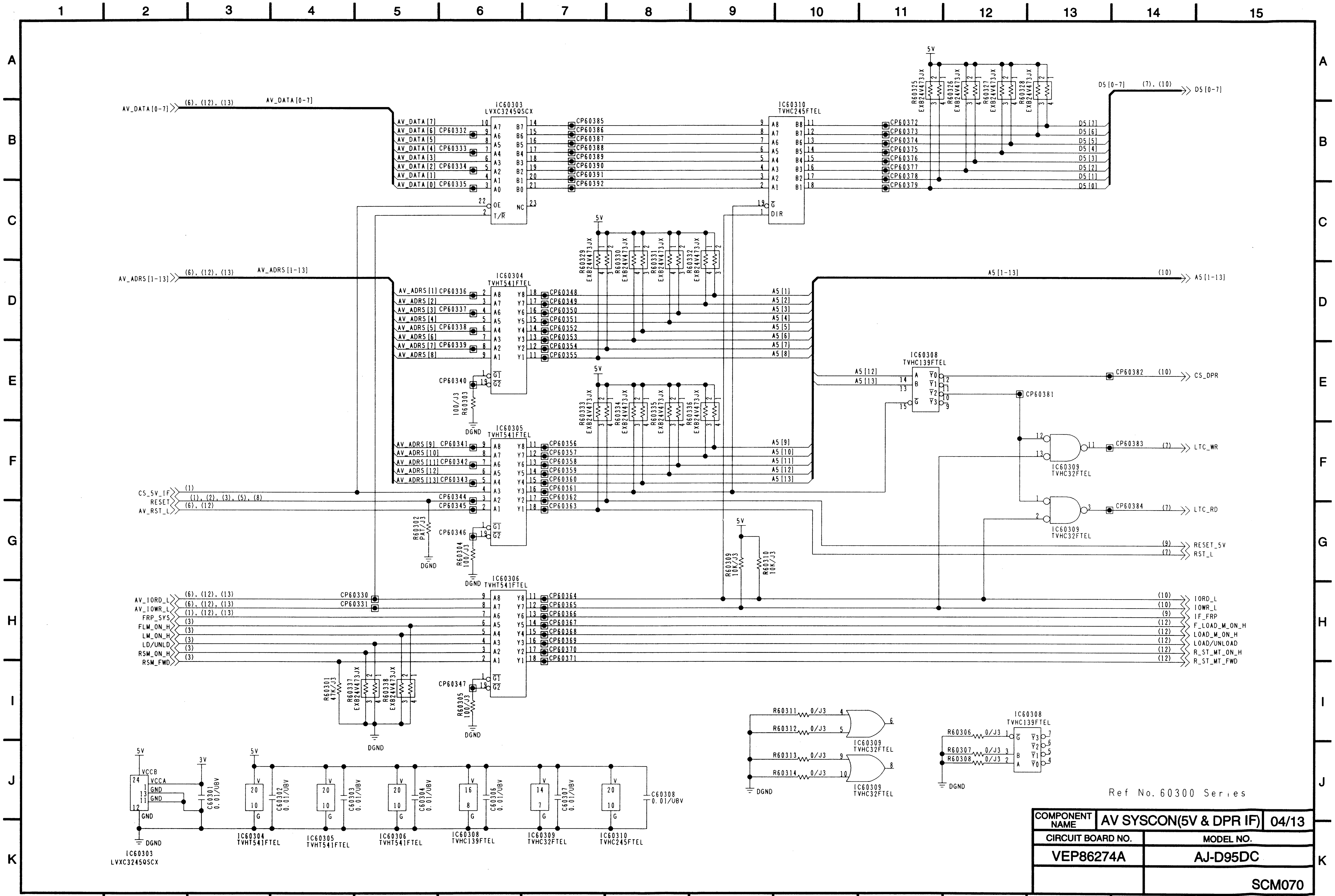
Ref No. 60100 Series

COMPONENT NAME	AV SYSCON (ROM)	02/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP86274A	AJ-D95DC	
	SCM068	

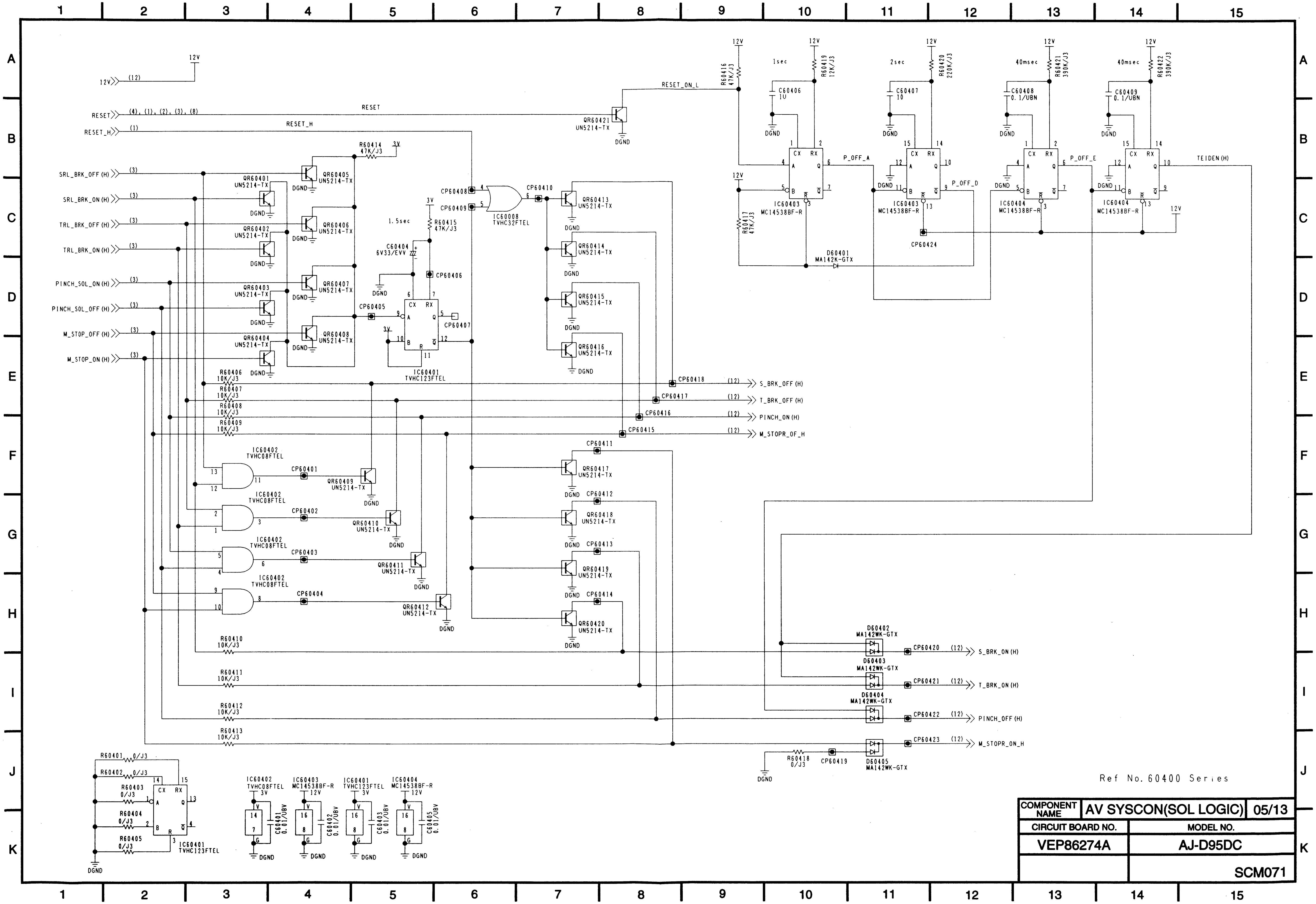

IC60201
T1G3G26-1019
D[0-15]
A[1-20]
CS_PIO0
RD1
WR
RESET
CLK20
SRL_BRK_ON(H)
SRL_BRK_OFF(H)
TRL_BRK_ON(H)
TRL_BRK_OFF(H)
PINCH_SOL_ON(H)
PINCH_SOL_OFF(H)
M_STOP_ON(H)
M_STOP_OFF(H)
LOAD_SPEED3
CL_SOL_ON(H)
POFF_L
FORCE_POFF_H
PHT_LED(H)
FRAME_CTL
CTL_MUTE
IC60006
TVHC08FTEL
SOL_LOW_DRIVE
T_END
FLM_ON_H
LM_ON_H
LD/UNLD
LOAD_SPEED1
LOAD_SPEED2
RSM_ON_H
RSM_FWD
CL_SOL_NG(L)
CAS_DWN_SW(L)
DEW_IN
DEW_GND
D60201
MA143-GTX
IC60204
UPC393G2-T1
IC60202
TVHC04FTEL
DEW
REEL_POS1_H
REEL_POS2_H
IC60005
TVHC14FTEL
IC60203
TVHC14FTEL
RPOS1(L)
RPOS2(L)
S_TAB
CAS1(L)
CAS2(L)
S_TAB_SW
CAS1_H
CAS2_H
TAPE_REV_H
THIN_TAPE_L
CASSET_POS_2
R60257
EXB24V473JX
QR60201
UN5213-TX
QR60202
UN5213-TX
QR60203
UN5213-TX
PSW_OFF_L
PWR_FAN_NG
JACK_FAN_NG
D60202
D60203
MA143-GTX
TP60201 PAT/EYF6CU
TP60202 PAT/EYF6CU
TP60203 PAT/EYF6CU
TP60204 PAT/EYF6CU
TP60205 PAT/EYF6CU
MECHA_POS1_L
MECHA_POS2_L
MECHA_POS3_L
CASMID(H)
CASDWN(H)
CASINR(H)
CASUP(L)
CASINL(H)
CAS_MID_H
CAS_DOWN_H
CAS_IN_R_H
CAS_UP_L
CAS_IN_L_H
R60218
NTSC
PAL
0
PAT
DGND
3V
5V

Ref No. 60200 Series

COMPONENT NAME	AV SYSCON (PIO)	03/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP86274A	AJ-D95DC	
	SCM069	

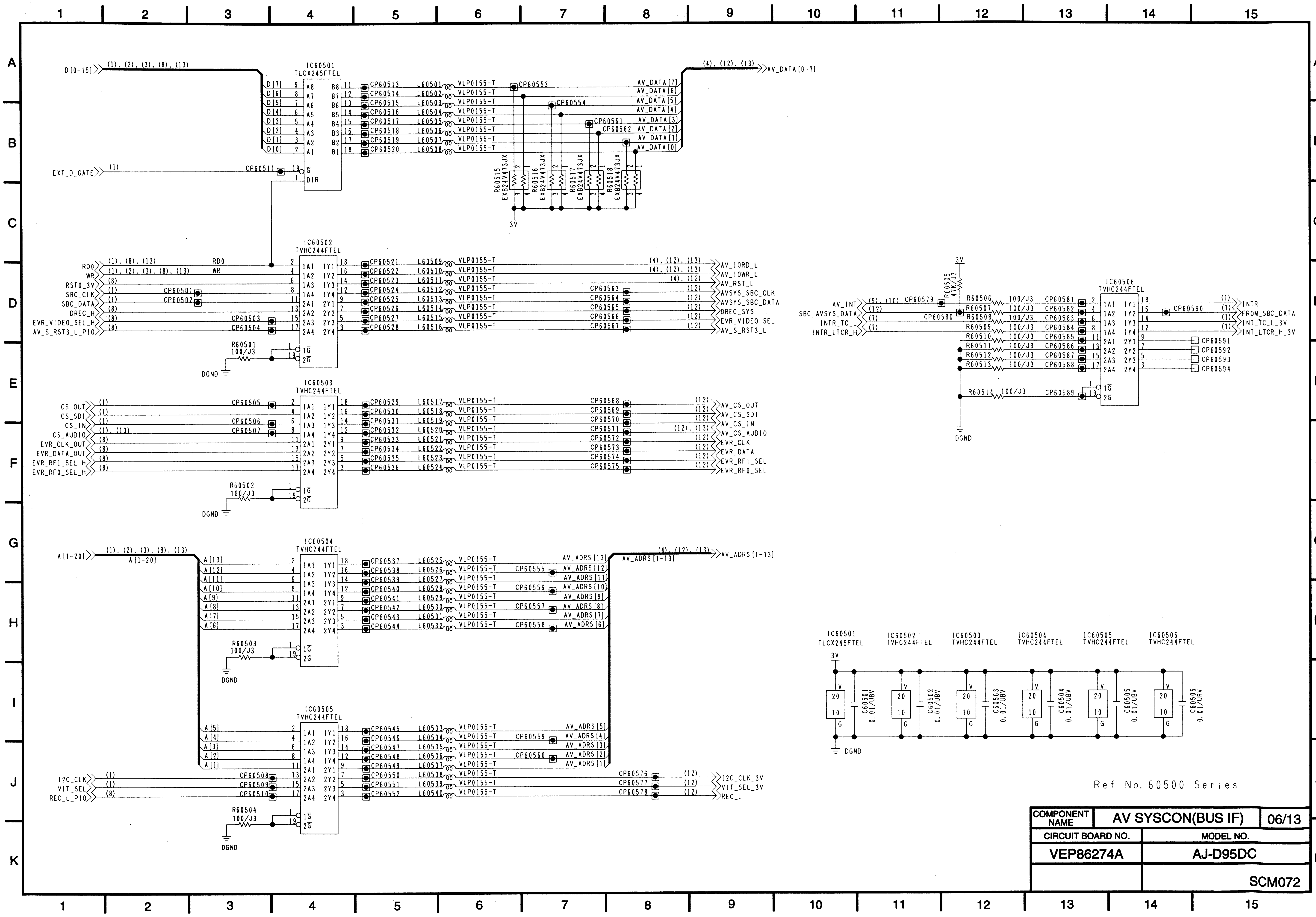

IC60303
LVXC3245QSCX
IC60304
TVHT541FTEL
IC60305
TVHT541FTEL
IC60306
TVHT541FTEL
IC60308
TVHC139FTEL
IC60309
TVHC32FTEL
IC60310
TVHC245FTEL
AV_DATA[0-7]
(6), (12), (13)
AV_ADRS[1-13]
CS_5V_IF
RESET
AV_RST_L
AV_IORD_L
AV_IOWR_L
FRP_SYS
FLM_ON_H
LM_ON_H
LD/UNLD
RSM_ON_H
RSM_FWD
D5[0-7]
(7), (10)
A5[1-13]
(10)
CS_DPR
LTC_WR
LTC_RD
RESET_5V
RST_L
IORD_L
IOWR_L
IF_FRP
F_LOAD_M_ON_H
LOAD_M_ON_H
LOAD/UNLOAD
R_ST_MT_ON_H
R_ST_MT_FWD
R60325 EXB24V473JX
R60326 EXB24V473JX
R60327 EXB24V473JX
R60328 EXB24V473JX
R60329 EXB24V473JX
R60330 EXB24V473JX
R60331 EXB24V473JX
R60332 EXB24V473JX
R60333 EXB24V473JX
R60334 EXB24V473JX
R60335 EXB24V473JX
R60336 EXB24V473JX
R60337 EXB24V473JX
R60338 EXB24V473JX
R60301 47K/J3
R60302 PAT/J3
R60303 100/J3
R60304 100/J3
R60305 100/J3
R60309 10K/J3
R60310 10K/J3
R60311 0/J3
R60312 0/J3
R60313 0/J3
R60314 0/J3
R60306 0/J3
R60307 0/J3
R60308 0/J3
C60301 0.01/UBV
C60302 0.01/UBV
C60303 0.01/UBV
C60304 0.01/UBV
C60306 0.01/UBV
C60307 0.01/UBV
C60308 0.01/UBV
5V
3V
DGND
VCCB
VCCA
GND
Ref No. 60300 Series

COMPONENT NAME	AV SYSCON(5V & DPR IF)	04/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP86274A	AJ-D95DC	
	SCM070	


12V
RESET
RESET_H
RESET_ON_L
SRL_BRK_OFF (H)
SRL_BRK_ON (H)
TRL_BRK_OFF (H)
TRL_BRK_ON (H)
PINCH_SOL_ON (H)
PINCH_SOL_OFF (H)
M_STOP_OFF (H)
M_STOP_ON (H)
QR60401 UN5214-TX
QR60402 UN5214-TX
QR60403 UN5214-TX
QR60404 UN5214-TX
QR60405 UN5214-TX
QR60406 UN5214-TX
QR60407 UN5214-TX
QR60408 UN5214-TX
QR60409 UN5214-TX
QR60410 UN5214-TX
QR60411 UN5214-TX
QR60412 UN5214-TX
QR60413 UN5214-TX
QR60414 UN5214-TX
QR60415 UN5214-TX
QR60416 UN5214-TX
QR60417 UN5214-TX
QR60418 UN5214-TX
QR60419 UN5214-TX
QR60420 UN5214-TX
QR60421 UN5214-TX
R60414 47K/J3
R60415 47K/J3
R60416 47K/J3
R60417 47K/J3
R60419 12K/J3
R60420 220K/J3
R60421 390K/J3
R60422 390K/J3
R60406 10K/J3
R60407 10K/J3
R60408 10K/J3
R60409 10K/J3
R60410 10K/J3
R60411 10K/J3
R60412 10K/J3
R60413 10K/J3
R60418 0/J3
C60404 6V33/EVV
C60406 10
C60407 10
C60408 0.1/UBN
C60409 0.1/UBN
1.5sec
1sec
2sec
40msec
IC60401 TVHC123FTEL
IC60402 TVHC08FTEL
IC60403 MC14538BF-R
IC60404 MC14538BF-R
IC60008 TVHC32FTEL
D60401 MA142K-GTX
D60402 MA142WK-GTX
D60403 MA142WK-GTX
D60404 MA142WK-GTX
D60405 MA142WK-GTX
P_OFF_A
P_OFF_D
P_OFF_E
TEIDEN (H)
S_BRK_OFF (H)
T_BRK_OFF (H)
PINCH_ON (H)
M_STOPR_OF_H
S_BRK_ON (H)
T_BRK_ON (H)
PINCH_OFF (H)
M_STOPR_ON_H
DGND
R60401 0/J3
R60402 0/J3
R60403 0/J3
R60404 0/J3
R60405 0/J3
C60401 0.01/UBV
C60402 0.01/UBV
C60403 0.01/UBV
C60405 0.01/UBV

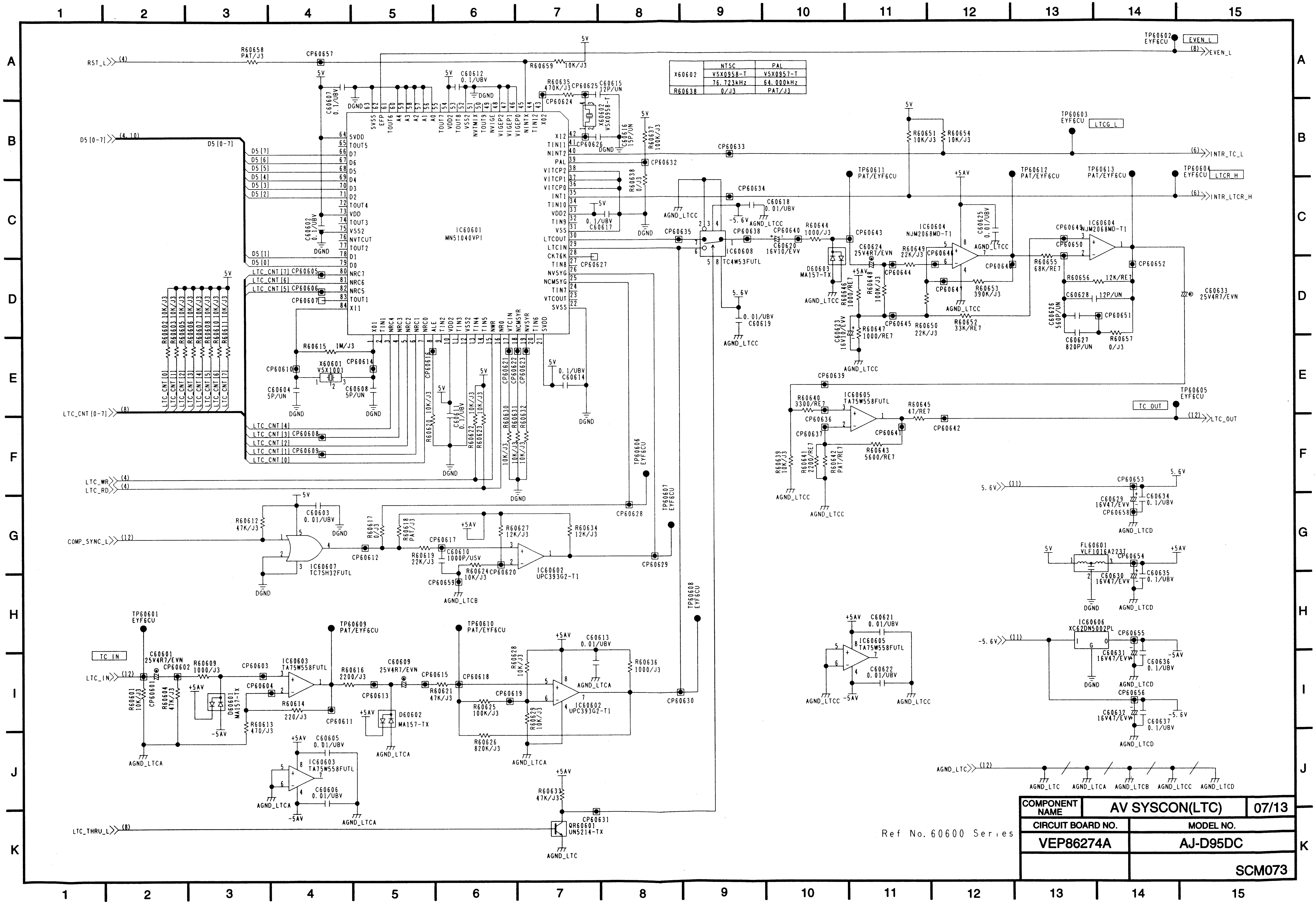
Ref No. 60400 Series

COMPONENT NAME	AV SYSCON(SOL LOGIC)	05/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP86274A	AJ-D95DC	
	SCM071	


D[0-15]
(1), (2), (3), (8), (13)
IC60501
TLCX245FTEL
CP60513
CP60514
CP60515
CP60516
CP60517
CP60518
CP60519
CP60520
L60501
L60502
L60503
L60504
L60505
L60506
L60507
L60508
VLP0155-T
CP60553
CP60554
CP60561
CP60562
AV_DATA[7]
AV_DATA[6]
AV_DATA[5]
AV_DATA[4]
AV_DATA[3]
AV_DATA[2]
AV_DATA[1]
AV_DATA[0]
(4), (12), (13)
AV_DATA[0-7]
EXT_D_GATE
CP60511
R60515
R60516
R60517
R60518
EXB24V473JX
3V
IC60502
TVHC244FTEL
RD0
WR
RST0_3V
SBC_CLK
SBC_DATA
DREC_H
EVR_VIDEO_SEL_H
AV_S_RST3_L_PIO
CP60501
CP60502
CP60503
CP60504
R60501
100/J3
DGND
CP60521
CP60522
CP60523
CP60524
CP60525
CP60526
CP60527
CP60528
L60509
L60510
L60511
L60512
L60513
L60514
L60515
L60516
CP60563
CP60564
CP60565
CP60566
CP60567
AV_IORD_L
AV_IOWR_L
AV_RST_L
AVSYS_SBC_CLK
AVSYS_SBC_DATA
DREC_SYS
EVR_VIDEO_SEL
AV_S_RST3_L
IC60503
TVHC244FTEL
CS_OUT
CS_SDI
CS_IN
CS_AUDIO
EVR_CLK_OUT
EVR_DATA_OUT
EVR_RF1_SEL_H
EVR_RF0_SEL_H
CP60505
CP60506
CP60507
R60502
CP60529
CP60530
CP60531
CP60532
CP60533
CP60534
CP60535
CP60536
L60517
L60518
L60519
L60520
L60521
L60522
L60523
L60524
CP60568
CP60569
CP60570
CP60571
CP60572
CP60573
CP60574
CP60575
AV_CS_OUT
AV_CS_SDI
AV_CS_IN
AV_CS_AUDIO
EVR_CLK
EVR_DATA
EVR_RF1_SEL
EVR_RF0_SEL
A[1-20]
IC60504
TVHC244FTEL
A[13]
A[12]
A[11]
A[10]
A[9]
A[8]
A[7]
A[6]
R60503
CP60537
CP60538
CP60539
CP60540
CP60541
CP60542
CP60543
CP60544
L60525
L60526
L60527
L60528
L60529
L60530
L60531
L60532
CP60555
CP60556
CP60557
CP60558
AV_ADRS[13]
AV_ADRS[12]
AV_ADRS[11]
AV_ADRS[10]
AV_ADRS[9]
AV_ADRS[8]
AV_ADRS[7]
AV_ADRS[6]
AV_ADRS[1-13]
IC60505
TVHC244FTEL
A[5]
A[4]
A[3]
A[2]
A[1]
I2C_CLK
VIT_SEL
REC_L_PIO
CP60508
CP60509
CP60510
R60504
CP60545
CP60546
CP60547
CP60548
CP60549
CP60550
CP60551
CP60552
L60533
L60534
L60535
L60536
L60537
L60538
L60539
L60540
CP60559
CP60560
AV_ADRS[5]
AV_ADRS[4]
AV_ADRS[3]
AV_ADRS[2]
AV_ADRS[1]
CP60576
CP60577
CP60578
I2C_CLK_3V
VIT_SEL_3V
REC_L
IC60506
TVHC244FTEL
R60505
47K/J3
AV_INT
SBC_AVSYS_DATA
INTR_TC_L
INTR_LTCR_H
CP60579
CP60580
R60506
R60507
R60508
R60509
R60510
R60511
R60512
R60513
R60514
CP60581
CP60582
CP60583
CP60584
CP60585
CP60586
CP60587
CP60588
CP60589
CP60590
CP60591
CP60592
CP60593
CP60594
INTR
FROM_SBC_DATA
INT_TC_L_3V
INT_LTCR_H_3V
C60501
C60502
C60503
C60504
C60505
C60506
0.01/UBV

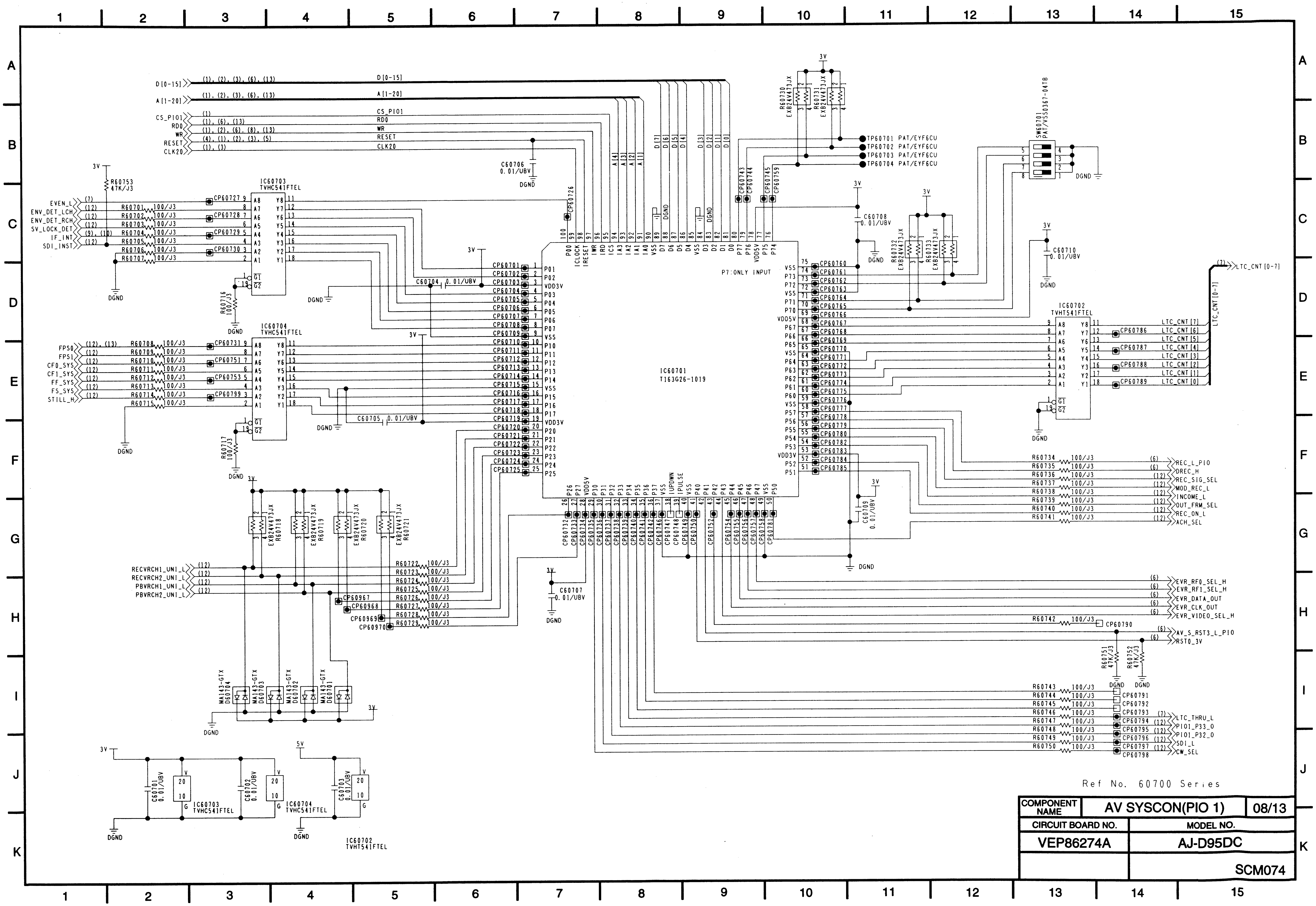
Ref No. 60500 Series

COMPONENT NAME	AV SYSCON(BUS IF)	06/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP86274A	AJ-D95DC	
	SCM072	


RST_L
D5[0-7]
LTC_CNT[0-7]
LTC_WR
LTC_RD
COMP_SYNC_L
TC IN
LTC_IN
LTC_THRU_L
EVEN_L
INTR_TC_L
INTR_LTCR_H
TC OUT
LTC_OUT
5.6V
-5.6V
AGND_LTC
AGND_LTCA
AGND_LTCB
AGND_LTCC
AGND_LTCD
IC60601 MN51040VP1
IC60602 UPC393G2-T1
IC60603 TA75W558FUTL
IC60604 NJM2068MD-T1
IC60605 TA75W558FUTL
IC60606 XC62DN5002PL
IC60607 TC7SH32FUTL
IC60608 TC4W53FUTL
QR60601 UN5214-TX
FL60601 VLF1016A223T
X60601 VSX1001
X60602 VSX0958-T
D60601 MA157-TX
D60602 MA157-TX
D60603 MA157-TX
TP60601 EYF6CU
TP60602 EYF6CU
TP60603 EYF6CU
TP60604 EYF6CU
TP60605 EYF6CU
TP60606 EYF6CU
TP60607 EYF6CU
TP60608 EYF6CU
TP60609 PAT/EYF6CU
TP60610 PAT/EYF6CU
TP60611 PAT/EYF6CU
TP60612 PAT/EYF6CU
TP60613 PAT/EYF6CU
Ref No. 60600 Series

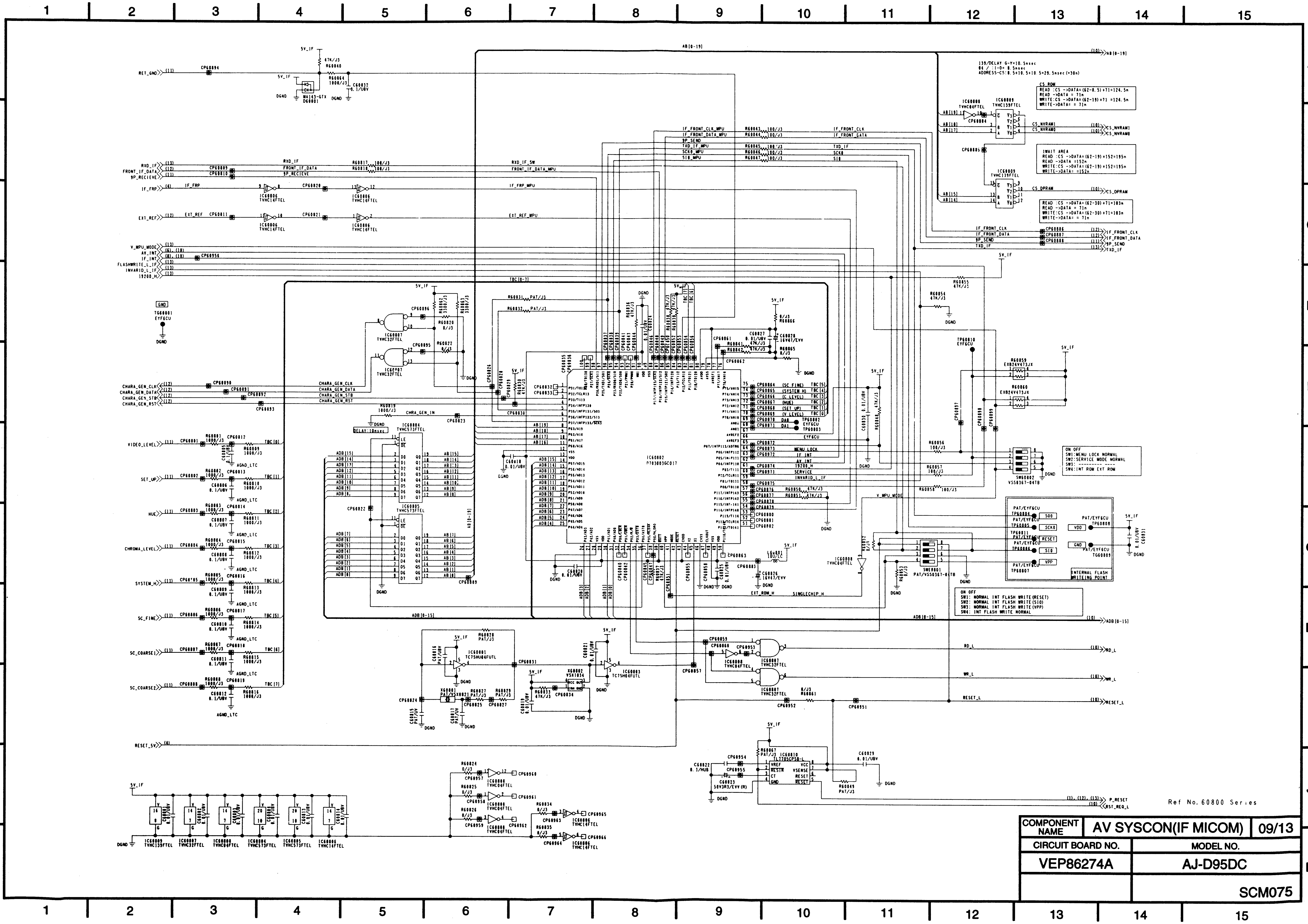
	NTSC	PAL
X60602	VSX0958-T	VSX0957-T
	76.723kHz	64.000kHz
R60638	0/J3	PAT/J3

COMPONENT NAME	AV SYSCON(LTC)	07/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP86274A	AJ-D95DC	
	SCM073	


D[0-15]
A[1-20]
CS_PIO1
RD0
WR
RESET
CLK20
(1), (2), (3), (6), (13)
(1), (6), (13)
(1), (2), (6), (8), (13)
(4), (1), (2), (3), (5)
(1), (3)
C60706 0.01/UBV
DGND
3V
R60753 47K/J3
EVEN_L
ENV_DET_LCH
ENV_DET_RCH
SV_LOCK_DET
IF_INT
SDI_INST
R60701 100/J3
R60702 100/J3
R60703 100/J3
R60704 100/J3
R60705 100/J3
R60706 100/J3
R60707 100/J3
CP60727
CP60728
CP60729
CP60730
IC60703 TVHC541FTEL
R60716 100/J3
IC60704 TVHC541FTEL
FPS0
FPS1
CF0_SYS
CF1_SYS
FF_SYS
FS_SYS
STILL_H
R60708
R60709
R60710
R60711
R60712
R60713
R60714
R60715
CP60731
CP60751
CP60753
CP60799
R60717 100/J3
C60704 0.01/UBV
C60705 0.01/UBV
CP60701 … CP60725
CP60726
IC60701 T163G26-1019
P7:ONLY INPUT
P00 ICLOCK IRESET IWR IRD IC3 IA3 IA2 IA1 IA0 VSS D7 D6 D5 D4 VSS D3 D2 D1 D0 P77 P76 VDD5V P75 P74
P01 P02 VDD3V P03 P04 P05 P06 P07 VSS P10 P11 P12 P13 P14 P15 VSS P16 P17 VDD3V P20 P21 P22 P23 P24 P25
P26 P27 VDD5V P30 P31 P32 P33 P34 P35 P36 P37 VSS IUPDWN IPULSE VSS P40 P41 P42 P43 P44 P45 P46 P47 VSS P50
VSS P73 P72 VSS P71 P70 VDD5V P67 P66 P65 VSS P64 P63 P62 P61 P60 VSS P57 P56 P55 P54 P53 VDD3V P52 P51
CP60743 CP60744 CP60745 CP60759
CP60760 … CP60785
CP60732 … CP60758
R60730 EXB24V473JX
R60731 EXB24V473JX
TP60701 PAT/EYF6CU
TP60702 PAT/EYF6CU
TP60703 PAT/EYF6CU
TP60704 PAT/EYF6CU
SW60701 PAT/VSS0367-04TB
C60708 0.01/UBV
R60732 EXB24V473JX
R60733 EXB24V473JX
C60710 0.01/UBV
LTC_CNT[0-7]
IC60702 TVHT541FTEL
CP60786 CP60787 CP60788 CP60789
LTC_CNT[7] LTC_CNT[6] LTC_CNT[5] LTC_CNT[4] LTC_CNT[3] LTC_CNT[2] LTC_CNT[1] LTC_CNT[0]
R60734 … R60741 100/J3
REC_L_PIO
DREC_H
REC_SIG_SEL
MOD_REC_L
INCOME_L
OUT_FRM_SEL
REC_ON_L
ACH_SEL
C60709 0.01/UBV
EXB24V473JX R60718
EXB24V473JX R60719
EXB24V473JX R60720
EXB24V473JX R60721
RECVRCH1_UNI_L
RECVRCH2_UNI_L
PBVRCH1_UNI_L
PBVRCH2_UNI_L
R60722 … R60729 100/J3
CP60967 CP60968 CP60969 CP60970
C60707 0.01/UBV
EVR_RF0_SEL_H
EVR_RF1_SEL_H
EVR_DATA_OUT
EVR_CLK_OUT
EVR_VIDEO_SEL_H
R60742 100/J3
CP60790
AV_S_RST3_L_PIO
RST0_3V
R60751 47K/J3
R60752 47K/J3
MA143-GTX D60704
MA143-GTX D60703
MA143-GTX D60702
MA143-GTX D60701
R60743 … R60750 100/J3
CP60791 … CP60798
LTC_THRU_L
PIO1_P33_O
PIO1_P32_O
SDI_L
CW_SEL
C60701 0.01/UBV
C60702 0.01/UBV
C60703 0.01/UBV
IC60703 TVHC541FTEL
IC60704 TVHC541FTEL
IC60702 TVHT541FTEL
5V

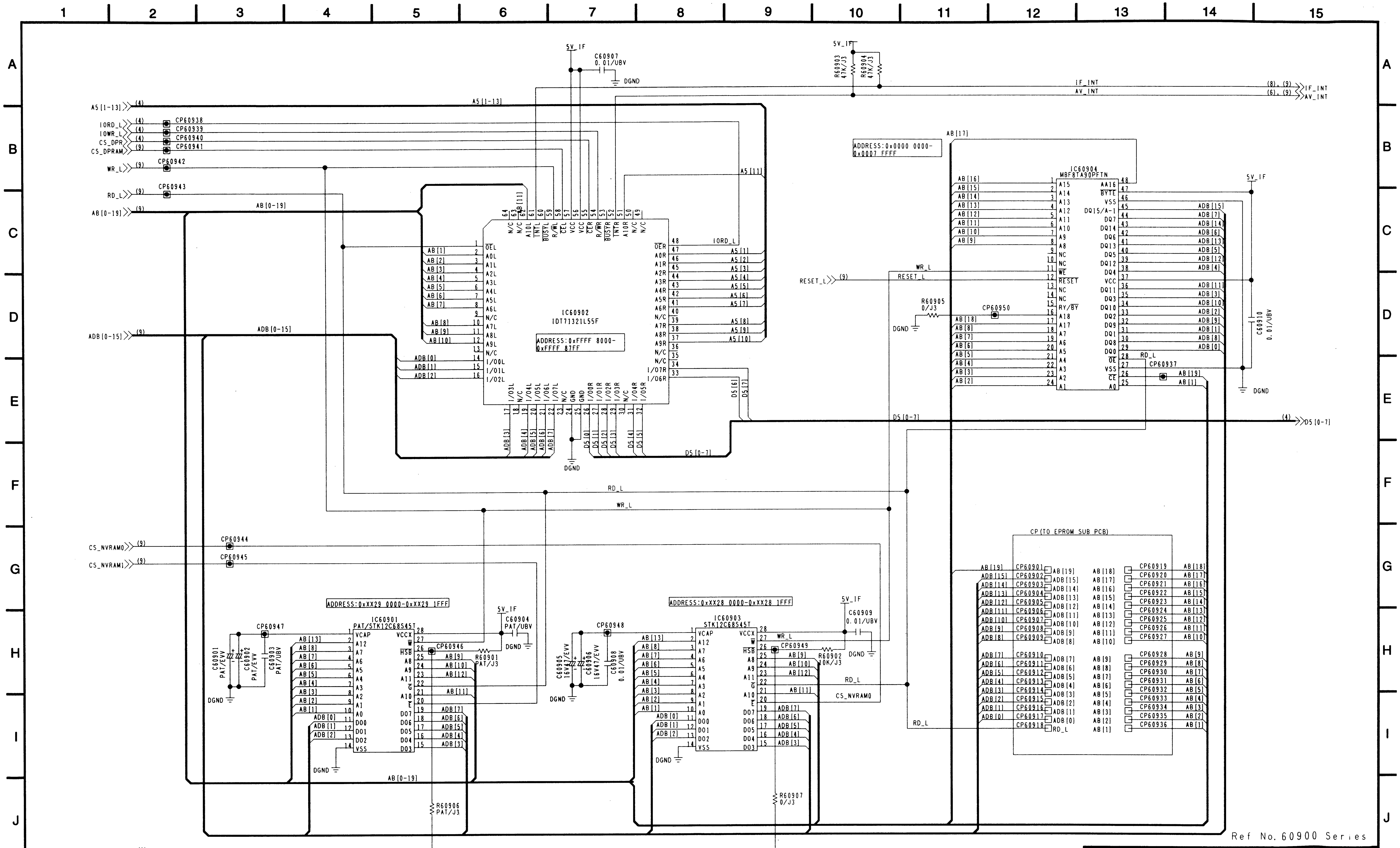
Ref No. 60700 Series

COMPONENT NAME	AV SYSCON(PIO 1)	08/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP86274A	AJ-D95DC	
	SCM074	

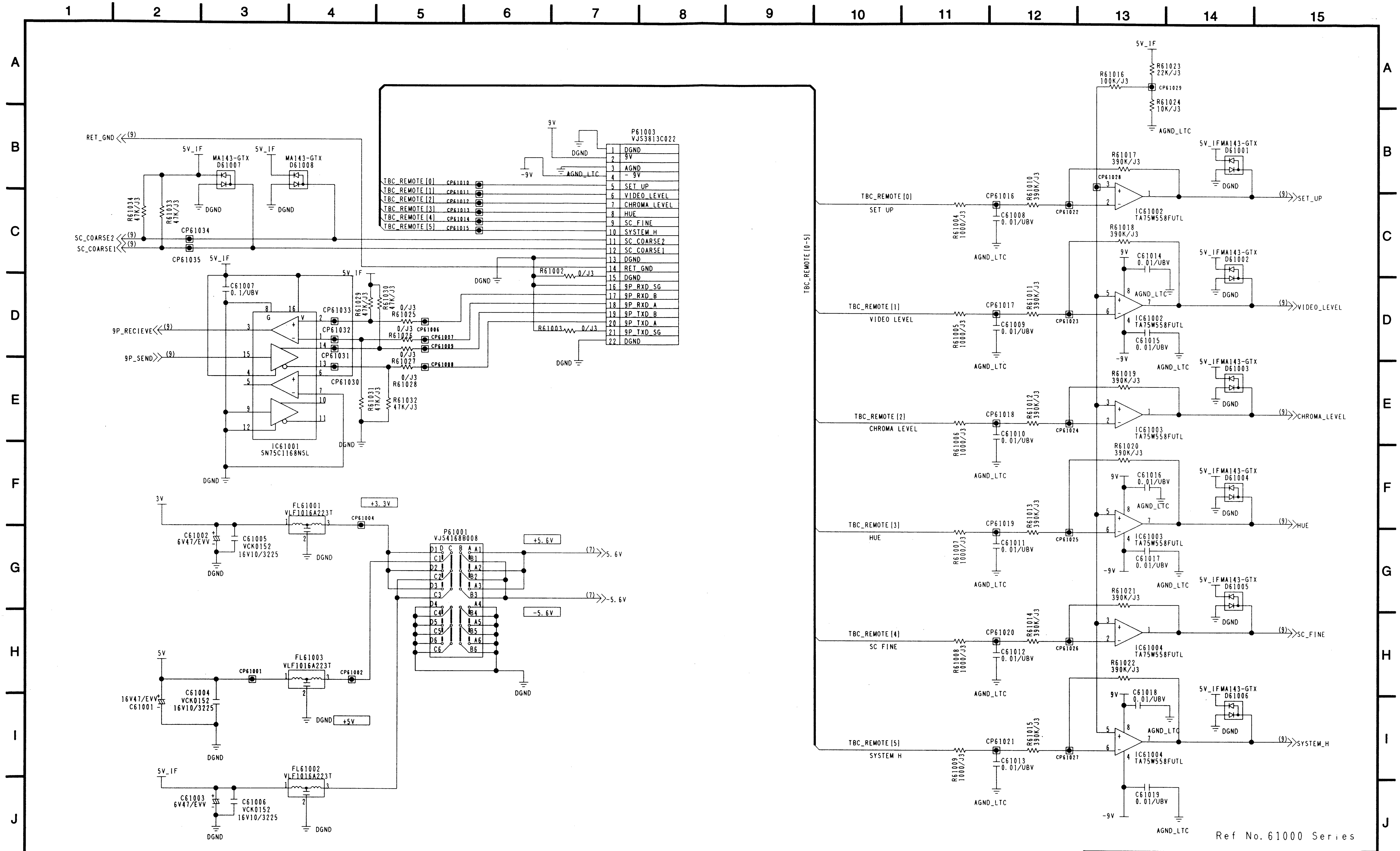

AB[0-19]
ADB[0-15]
TBC[0-7]
IC60802
MT0803GC017
RET_GND
RXD_IF
FRONT_IF_DATA
9P_RECIEVE
IF_FRP
EXT_REF
V_MPU_MODE
AV_INT
IF_INT
FLASHWRITE_L_IF
INVARID_L_IF
19200_H
CHARA_GEN_CLK
CHARA_GEN_DATA
CHARA_GEN_STB
CHARA_GEN_RST
VIDEO_LEVEL
SET_UP
HUE
CHROMA_LEVEL
SYSTEM_H
SC_FINE
SC_COARSE1
SC_COARSE2
RESET_5V
CS_NVRAM1
CS_NVRAM0
CS_DPRAM
IF_FRONT_CLK
IF_FRONT_DATA
9P_SEND
TXD_IF
RD_L
WR_L
RESET_L
P_RESET
RST_REQ_L
DELAY:10nsec
INTERNAL FLASH WRITEING POINT
ON OFF
SW1: MENU LOCK NORMAL
SW2: SERVICE MODE NORMAL
SW3: ---------- ----
SW4: INT ROM EXT ROM
SW1: NORMAL INT FLASH WRITE (RESET)
SW2: NORMAL INT FLASH WRITE (SIO)
SW3: NORMAL INT FLASH WRITE (VPP)
SW4: INT FLASH WRITE NORMAL
CS_ROM
WAIT AREA
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

Ref No. 60800 Series

COMPONENT NAME	AV SYSCON(IF MICOM)	09/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP86274A	AJ-D95DC	
	SCM075	

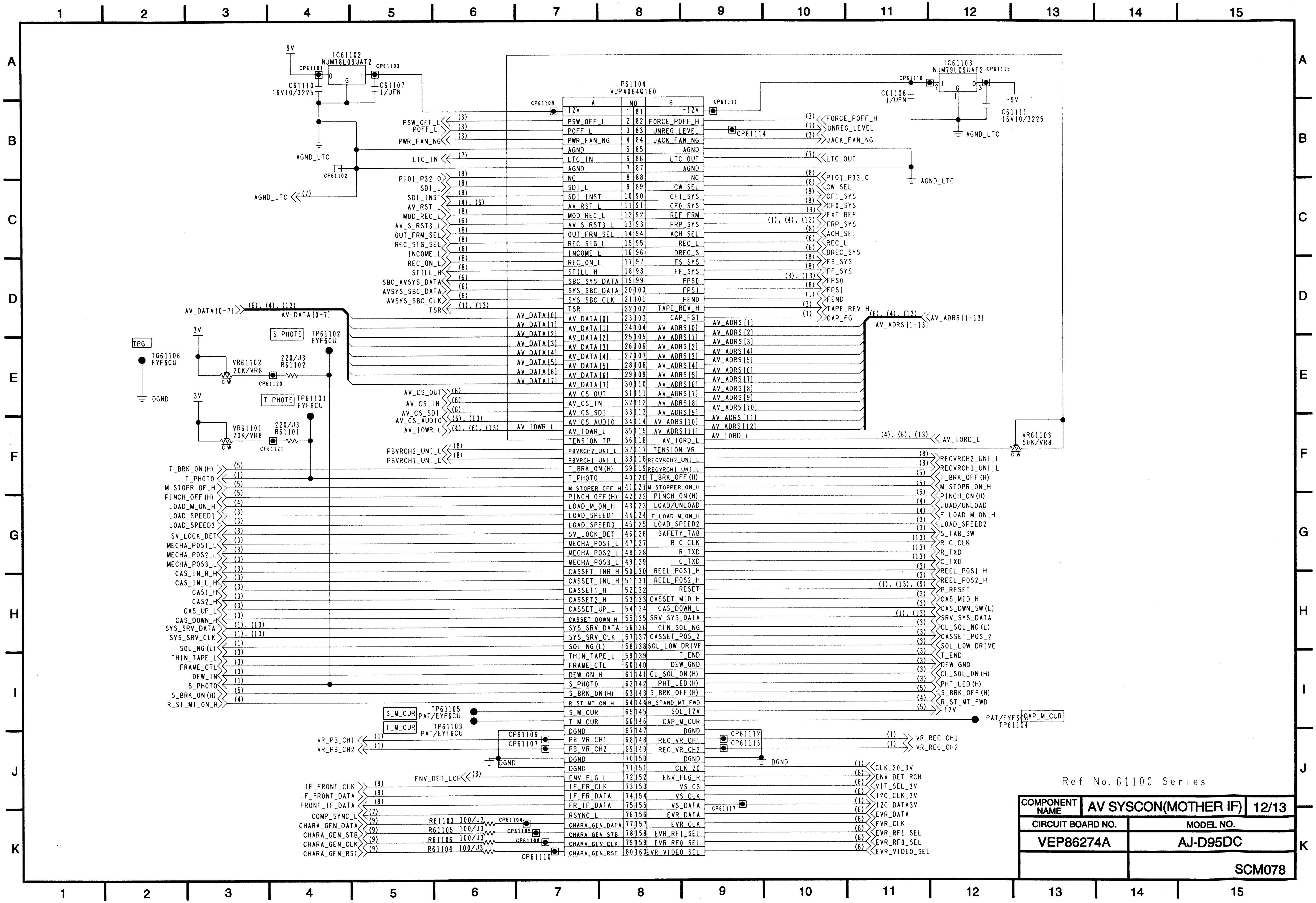

IC60902
IDT71321L55F
ADDRESS:0xFFFF 8000-0xFFFF 87FF
IC60904
MBF8TA90PFTN
ADDRESS:0x0000 0000-0x0007 FFFF
IC60901
PAT/STK12C68545T
ADDRESS:0xXX29 0000-0xXX29 1FFF
IC60903
STK12C68545T
ADDRESS:0xXX28 0000-0xXX28 1FFF
CP(TO EPROM SUB PCB)
A5[1-13]
IORD_L
IOWR_L
CS_DPR
CS_DPRAM
WR_L
RD_L
AB[0-19]
ADB[0-15]
CS_NVRAM0
CS_NVRAM1
RST_REQ_L
RESET_L
IF_INT
AV_INT
D5[0-7]
5V_IF
DGND
C60907 0.01/UBV
R60903 47K/J3
R60904 47K/J3
R60905 0/J3
C60910 0.01/UBV
C60904 PAT/UBV
C60909 0.01/UBV
R60901 PAT/J3
R60902 10K/J3
R60906 PAT/J3
R60907 0/J3
C60901 PAT/EVV
C60902 PAT/EVV
C60903 PAT/UBV
C60905 16V47/EVV
C60906 16V47/EVV
C60908 0.01/UBV
Ref No. 60900 Series

COMPONENT NAME	AV SYSCON(IF MEMORY IC)	10/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP86274A	AJ-D95DC	
	SCM076	


RET_GND (9)
SC_COARSE2 (9)
SC_COARSE1 (9)
5V_IF
MA143-GTX
D61007
D61008
DGND
R61034 47K/J3
R61033 47K/J3
CP61034
CP61035
C61007 0.1/UBV
IC61001 SN75C1168NSL
9P_RECIEVE (9)
9P_SEND (9)
CP61033
CP61032
CP61031
CP61030
R61029 47K/J3
R61030 47K/J3
R61031 47K/J3
R61032 47K/J3
R61025 0/J3
R61026 0/J3
R61027 0/J3
R61028 0/J3
CP61006
CP61007
CP61009
CP61008
TBC_REMOTE [0]
TBC_REMOTE [1]
TBC_REMOTE [2]
TBC_REMOTE [3]
TBC_REMOTE [4]
TBC_REMOTE [5]
CP61010
CP61011
CP61012
CP61013
CP61014
CP61015
9V
-9V
AGND_LTC
P61003
VJS3813C022
1 DGND
2 9V
3 AGND
4 -9V
5 SET UP
6 VIDEO LEVEL
7 CHROMA LEVEL
8 HUE
9 SC FINE
10 SYSTEM H
11 SC COARSE2
12 SC COARSE1
13 DGND
14 RET GND
15 DGND
16 9P RXD SG
17 9P RXD B
18 9P RXD A
19 9P TXD B
20 9P TXD A
21 9P TXD SG
22 DGND
R61002 0/J3
R61003 0/J3
TBC_REMOTE [0-5]
3V
+3.3V
FL61001 VLF1016A223T
CP61004
C61002 6V47/EVV
C61005 VCK0152 16V10/3225
P61001 VJS4168B008
+5.6V
(7) 5.6V
(7) -5.6V
-5.6V
5V
CP61001
FL61003 VLF1016A223T
CP61002
16V47/EVV C61001
C61004 VCK0152 16V10/3225
+5V
FL61002 VLF1016A223T
C61003 6V47/EVV
C61006 VCK0152 16V10/3225
SET UP
VIDEO LEVEL
CHROMA LEVEL
HUE
SC FINE
SYSTEM H
R61004 1000/J3
R61005 1000/J3
R61006 1000/J3
R61007 1000/J3
R61008 1000/J3
R61009 1000/J3
CP61016
CP61017
CP61018
CP61019
CP61020
CP61021
C61008 0.01/UBV
C61009 0.01/UBV
C61010 0.01/UBV
C61011 0.01/UBV
C61012 0.01/UBV
C61013 0.01/UBV
R61010 390K/J3
R61011 390K/J3
R61012 390K/J3
R61013 390K/J3
R61014 390K/J3
R61015 390K/J3
CP61022
CP61023
CP61024
CP61025
CP61026
CP61027
R61016 100K/J3
R61023 22K/J3
CP61029
R61024 10K/J3
CP61028
R61017 390K/J3
R61018 390K/J3
R61019 390K/J3
R61020 390K/J3
R61021 390K/J3
R61022 390K/J3
IC61002 TA75W558FUTL
IC61003 TA75W558FUTL
IC61004 TA75W558FUTL
C61014 0.01/UBV
C61015 0.01/UBV
C61016 0.01/UBV
C61017 0.01/UBV
C61018 0.01/UBV
C61019 0.01/UBV
5V_IF MA143-GTX
D61001
D61002
D61003
D61004
D61005
D61006
(9) SET_UP
(9) VIDEO_LEVEL
(9) CHROMA_LEVEL
(9) HUE
(9) SC_FINE
(9) SYSTEM_H

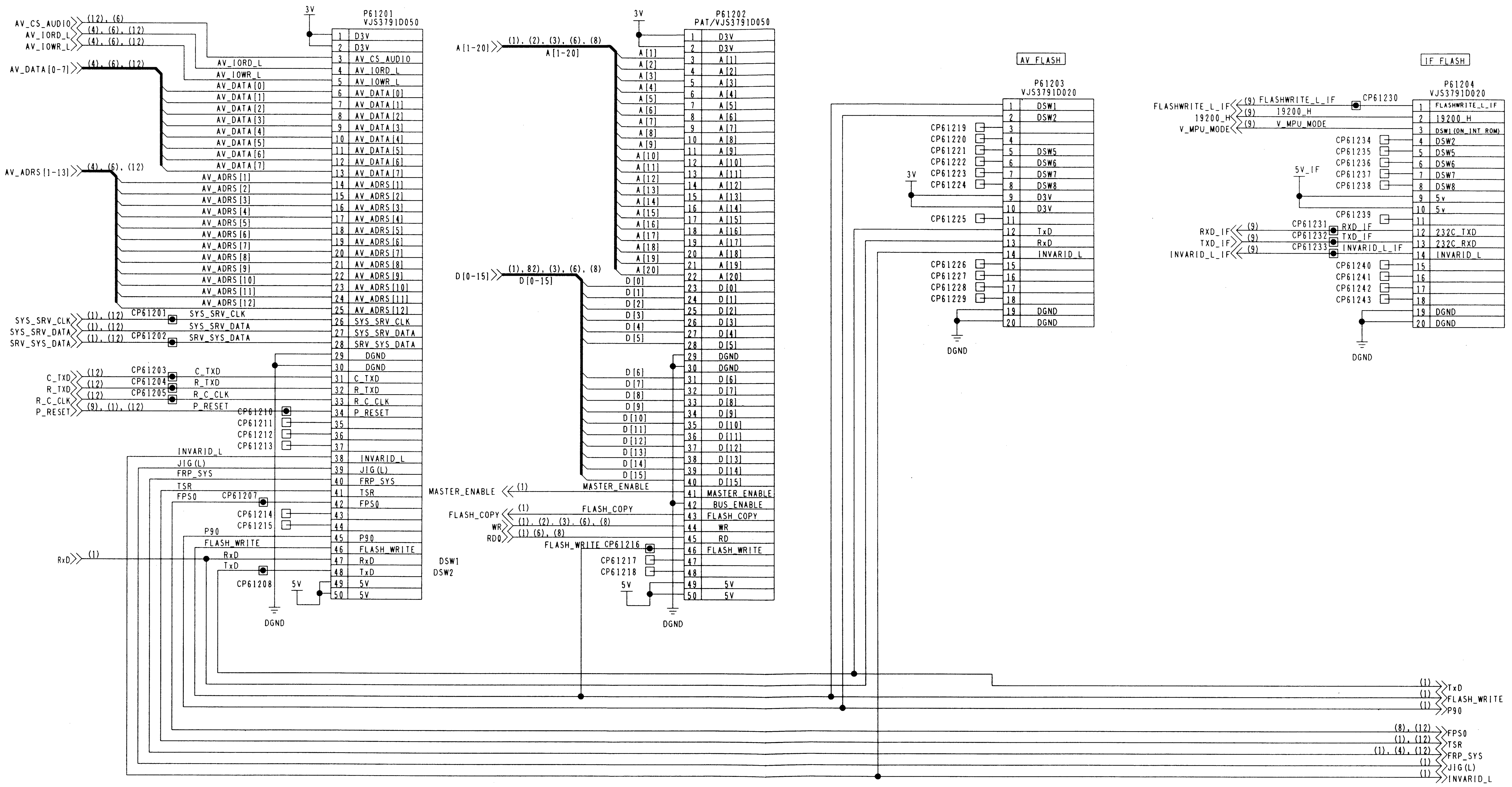
Ref No. 61000 Series

COMPONENT NAME	AV SYSCON(REMOTE POWER IF)	11/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP86274A	AJ-D95DC	
	SCM077	


IC61102 NJM78L09UAT2
9V
CP61101
CP61103
C61110 16V10/3225
C61107 1/UFN
AGND_LTC
CP61102
P61104 VJP4064Q160
A NO B
12V 1 81 -12V
PSW_OFF_L 2 82 FORCE_POFF_H
POFF_L 3 83 UNREG_LEVEL
PWR_FAN_NG 4 84 JACK_FAN_NG
AGND 5 85 AGND
LTC_IN 6 86 LTC_OUT
AGND 7 87 AGND
NC 8 88 NC
SDI_L 9 89 CW_SEL
SDI_INST 10 90 CF1_SYS
AV_RST_L 11 91 CF0_SYS
MOD_REC_L 12 92 REF_FRM
AV_S_RST3_L 13 93 FRP_SYS
OUT_FRM_SEL 14 94 ACH_SEL
REC_SIG_L 15 95 REC_L
INCOME_L 16 96 DREC_S
REC_ON_L 17 97 FS_SYS
STILL_H 18 98 FF_SYS
SBC_SYS_DATA 19 99 FPS0
SYS_SBC_DATA 20 100 FPS1
SYS_SBC_CLK 21 101 FEND
TSR 22 102 TAPE_REV_H
AV_DATA[0] 23 103 CAP_FG1
AV_DATA[1] 24 104 AV_ADRS[0]
AV_DATA[2] 25 105 AV_ADRS[1]
AV_DATA[3] 26 106 AV_ADRS[2]
AV_DATA[4] 27 107 AV_ADRS[3]
AV_DATA[5] 28 108 AV_ADRS[4]
AV_DATA[6] 29 109 AV_ADRS[5]
AV_DATA[7] 30 110 AV_ADRS[6]
AV_CS_OUT 31 111 AV_ADRS[7]
AV_CS_IN 32 112 AV_ADRS[8]
AV_CS_SDI 33 113 AV_ADRS[9]
AV_CS_AUDIO 34 114 AV_ADRS[10]
AV_IOWR_L 35 115 AV_ADRS[11]
TENSION_TP 36 116 AV_IORD_L
PBVRCH2_UNI_L 37 117 TENSION_VR
PBVRCH1_UNI_L 38 118 RECVRCH2_UNI_L
T_BRK_ON(H) 39 119 RECVRCH1_UNI_L
T_PHOTO 40 120 T_BRK_OFF(H)
M_STOPER_OFF_H 41 121 M_STOPPER_ON_H
PINCH_OFF(H) 42 122 PINCH_ON(H)
LOAD_M_ON_H 43 123 LOAD/UNLOAD
LOAD_SPEED1 44 124 F_LOAD_M_ON_H
LOAD_SPEED3 45 125 LOAD_SPEED2
SV_LOCK_DET 46 126 SAFETY_TAB
MECHA_POS1_L 47 127 R_C_CLK
MECHA_POS2_L 48 128 R_TXD
MECHA_POS3_L 49 129 C_TXD
CASSET_INR_H 50 130 REEL_POS1_H
CASSET_INL_H 51 131 REEL_POS2_H
CASSET1_H 52 132 RESET
CASSET2_H 53 133 CASSET_MID_H
CASSET_UP_L 54 134 CAS_DOWN_L
CASSET_DOWN_H 55 135 SRV_SYS_DATA
SYS_SRV_DATA 56 136 CLN_SOL_NG
SYS_SRV_CLK 57 137 CASSET_POS_2
SOL_NG(L) 58 138 SOL_LOW_DRIVE
THIN_TAPE_L 59 139 T_END
FRAME_CTL 60 140 DEW_GND
DEW_ON_H 61 141 CL_SOL_ON(H)
S_PHOTO 62 142 PHT_LED(H)
S_BRK_ON(H) 63 143 S_BRK_OFF(H)
R_ST_MT_ON_H 64 144 R_STAND_MT_FWD
S_M_CUR 65 145 SOL_12V
T_M_CUR 66 146 CAP_M_CUR
DGND 67 147 DGND
PB_VR_CH1 68 148 REC_VR_CH1
PB_VR_CH2 69 149 REC_VR_CH2
DGND 70 150 DGND
DGND 71 151 CLK_20
ENV_FLG_L 72 152 ENV_FLG_R
IF_FR_CLK 73 153 VS_CS
IF_FR_DATA 74 154 VS_CLK
FR_IF_DATA 75 155 VS_DATA
RSYNC_L 76 156 EVR_DATA
CHARA_GEN_DATA 77 157 EVR_CLK
CHARA_GEN_STB 78 158 EVR_RF1_SEL
CHARA_GEN_CLK 79 159 EVR_RF0_SEL
CHARA_GEN_RST 80 160 EVR_VIDEO_SEL
CP61109
CP61111
IC61103 NJM79L09UAT2
CP61118
CP61119
C61108 1/UFN
-9V
C61111 16V10/3225
AGND_LTC
CP61114
PSW_OFF_L (3)
POFF_L (3)
PWR_FAN_NG (3)
LTC_IN (7)
AGND_LTC (7)
P101_P32_0 (8)
SDI_L (8)
SDI_INST (8)
AV_RST_L (4), (6)
MOD_REC_L (8)
AV_S_RST3_L (6)
OUT_FRM_SEL (8)
REC_SIG_SEL (8)
INCOME_L (8)
REC_ON_L (8)
STILL_H (8)
SBC_AVSYS_DATA (6)
AVSYS_SBC_DATA (6)
AVSYS_SBC_CLK (6)
TSR (1), (13)
AV_DATA[0-7] (6), (4), (13)
(3) FORCE_POFF_H
(1) UNREG_LEVEL
(3) JACK_FAN_NG
(7) LTC_OUT
(8) P101_P33_0
(8) CW_SEL
(8) CF1_SYS
(8) CF0_SYS
(9) EXT_REF
(1), (4), (13) FRP_SYS
(8) ACH_SEL
(6) REC_L
(6) DREC_SYS
(8) FS_SYS
(8) FF_SYS
(8), (13) FPS0
(8) FPS1
(1) FEND
(3) TAPE_REV_H
(1) CAP_FG
(6), (4), (13) AV_ADRS[1-13]
AV_ADRS[1-13]
TPG
TG61106 EYF6CU
DGND
3V
VR61102 20K/VR8
CW
CP61120
220/J3 R61102
S PHOTE
TP61102 EYF6CU
T PHOTE
TP61101 EYF6CU
VR61101 20K/VR8
220/J3 R61101
CP61121
AV_CS_OUT (6)
AV_CS_IN (6)
AV_CS_SDI (6)
AV_CS_AUDIO (6), (13)
AV_IOWR_L (4), (6), (13)
(4), (6), (13) AV_IORD_L
VR61103 50K/VR8
PBVRCH2_UNI_L (8)
PBVRCH1_UNI_L (8)
T_BRK_ON(H) (5)
T_PHOTO (1)
M_STOPR_OF_H (5)
PINCH_OFF(H) (5)
LOAD_M_ON_H (4)
LOAD_SPEED1 (3)
LOAD_SPEED3 (3)
SV_LOCK_DET (8)
MECHA_POS1_L (3)
MECHA_POS2_L (3)
MECHA_POS3_L (3)
CAS_IN_R_H (3)
CAS_IN_L_H (3)
CAS1_H (3)
CAS2_H (3)
CAS_UP_L (3)
CAS_DOWN_H (3)
SYS_SRV_DATA (1), (13)
SYS_SRV_CLK (1), (13)
SOL_NG(L) (1)
THIN_TAPE_L (3)
FRAME_CTL (3)
DEW_IN (3)
S_PHOTO (1)
S_BRK_ON(H) (5)
R_ST_MT_ON_H (4)
(8) RECVRCH2_UNI_L
(8) RECVRCH1_UNI_L
(5) T_BRK_OFF(H)
(5) M_STOPR_ON_H
(5) PINCH_ON(H)
(4) LOAD/UNLOAD
(4) F_LOAD_M_ON_H
(3) LOAD_SPEED2
(3) S_TAB_SW
(13) R_C_CLK
(13) R_TXD
(13) C_TXD
(3) REEL_POS1_H
(3) REEL_POS2_H
(1), (13), (9) P_RESET
(3) CAS_MID_H
(3) CAS_DWN_SW(L)
(1), (13) SRV_SYS_DATA
(3) CL_SOL_NG(L)
(3) CASSET_POS_2
(3) SOL_LOW_DRIVE
(3) T_END
(3) DEW_GND
(3) CL_SOL_ON(H)
(3) PHT_LED(H)
(5) S_BRK_OFF(H)
(4) R_ST_MT_FWD
(5) 12V
S_M_CUR
TP61105 PAT/EYF6CU
T_M_CUR
TP61103 PAT/EYF6CU
PAT/EYF6CU CAP_M_CUR TP61104
VR_PB_CH1 (1)
VR_PB_CH2 (1)
CP61106
CP61107
DGND
CP61112
CP61113
DGND
(1) VR_REC_CH1
(1) VR_REC_CH2
ENV_DET_LCH (8)
IF_FRONT_CLK (9)
IF_FRONT_DATA (9)
FRONT_IF_DATA (9)
COMP_SYNC_L (7)
CHARA_GEN_DATA (9)
CHARA_GEN_STB (9)
CHARA_GEN_CLK (9)
CHARA_GEN_RST (9)
R61103 100/J3
R61105 100/J3
R61106 100/J3
R61104 100/J3
CP61104
CP61105
CP61108
CP61110
CP61117
(1) CLK_20_3V
(8) ENV_DET_RCH
(6) VIT_SEL_3V
(6) I2C_CLK_3V
(1) I2C_DATA3V
(6) EVR_DATA
(6) EVR_CLK
(6) EVR_RF1_SEL
(6) EVR_RF0_SEL
(6) EVR_VIDEO_SEL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

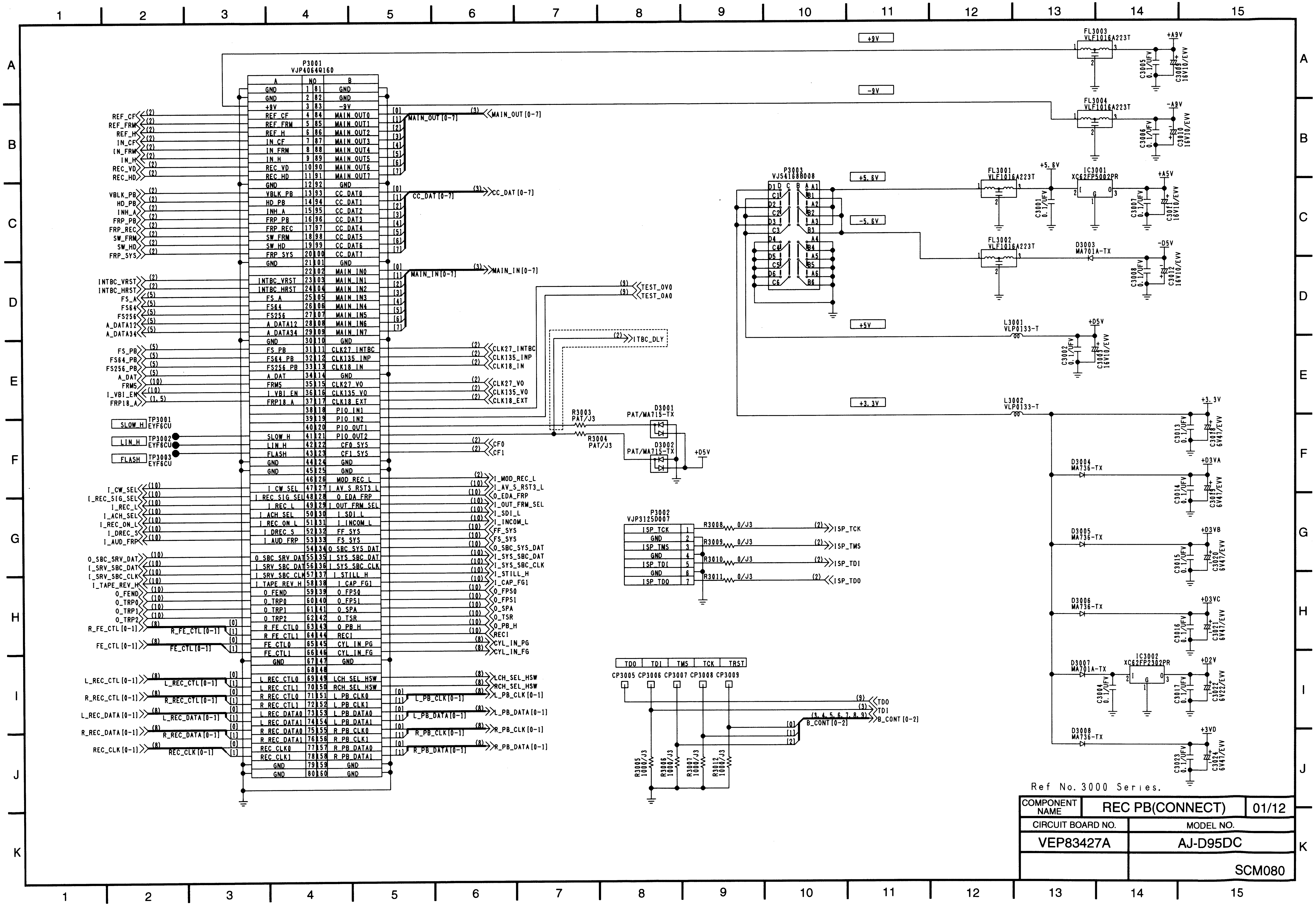
Ref No. 61100 Series

COMPONENT NAME	AV SYSCON(MOTHER IF)	12/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP86274A	AJ-D95DC	
	SCM078	


P61201
VJS3791D050
P61202
PAT/VJS3791D050
AV FLASH
P61203
VJS3791D020
IF FLASH
P61204
VJS3791D020
AV_CS_AUDIO
AV_IORD_L
AV_IOWR_L
AV_DATA[0-7]
AV_ADRS[1-13]
SYS_SRV_CLK
SYS_SRV_DATA
SRV_SYS_DATA
C_TXD
R_TXD
R_C_CLK
P_RESET
INVARID_L
JIG(L)
FRP_SYS
TSR
FPS0
P90
FLASH_WRITE
RxD
TxD
A[1-20]
D[0-15]
MASTER_ENABLE
BUS_ENABLE
FLASH_COPY
WR
RD
DSW1
DSW2
DSW5
DSW6
DSW7
DSW8
D3V
DGND
3V
5V
5V_IF
FLASHWRITE_L_IF
19200_H
V_MPU_MODE
RXD_IF
TXD_IF
INVARID_L_IF
232C_TXD
232C_RXD
DSW1(ON_INT ROM)

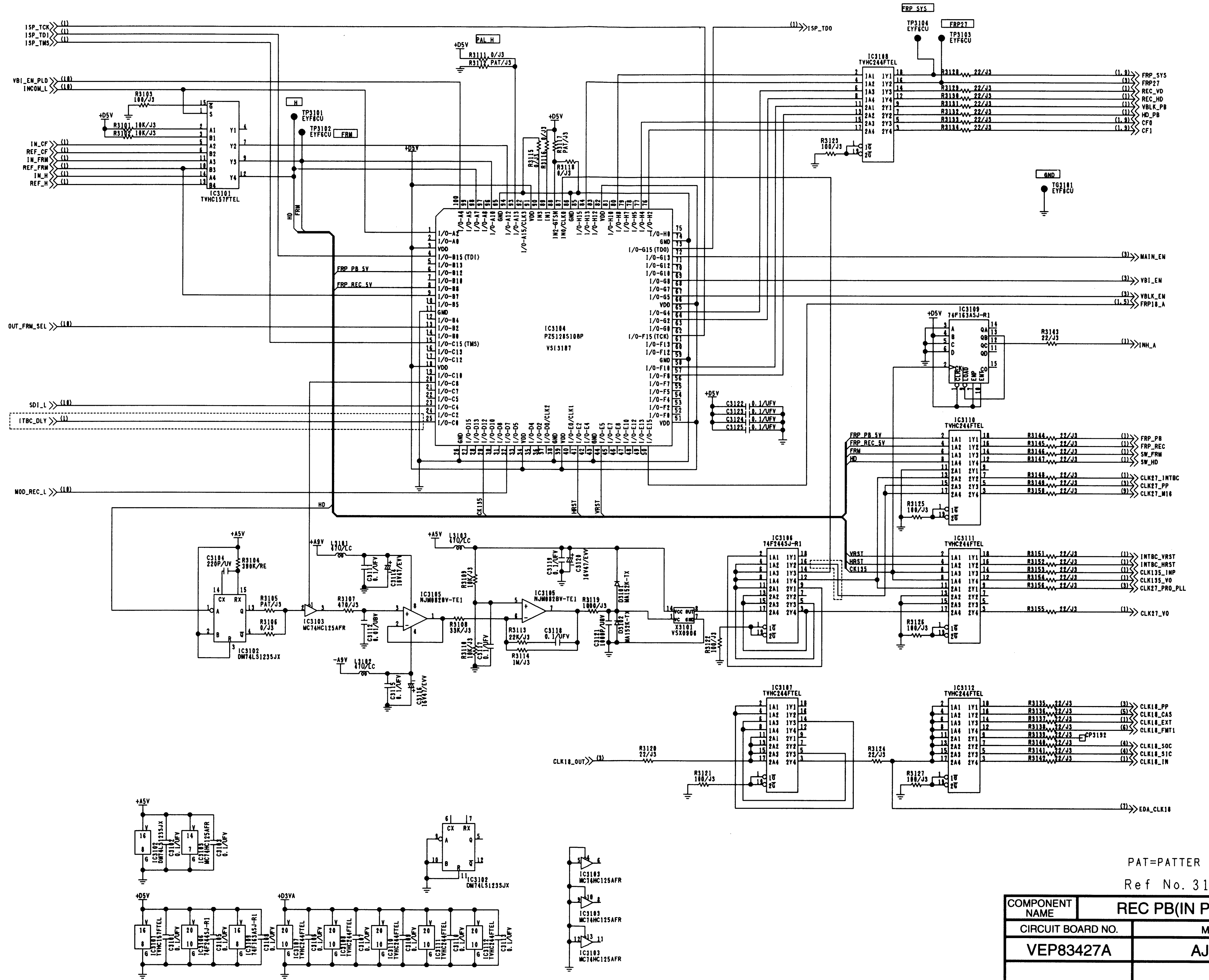
Ref No. 61200 Series

COMPONENT NAME	AV SYSCON(JIG IF)	13/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP86274A	AJ-D95DC	
	SCM079	


P3001
VJP40640160
A NO B
GND 1 81 GND
GND 2 82 GND
+9V 3 83 -9V
REF CF 4 84 MAIN OUT0
REF FRM 5 85 MAIN OUT1
REF H 6 86 MAIN OUT2
IN CF 7 87 MAIN OUT3
IN FRM 8 88 MAIN OUT4
IN H 9 89 MAIN OUT5
REC VD 10 90 MAIN OUT6
REC HD 11 91 MAIN OUT7
GND 12 92 GND
VBLK PB 13 93 CC DAT0
HD PB 14 94 CC DAT1
INH A 15 95 CC DAT2
FRP PB 16 96 CC DAT3
FRP REC 17 97 CC DAT4
SW FRM 18 98 CC DAT5
SW HD 19 99 CC DAT6
FRP SYS 20 100 CC DAT7
GND 21 101 GND
22 102 MAIN IN0
INTBC VRST 23 103 MAIN IN1
INTBC HRST 24 104 MAIN IN2
FS A 25 105 MAIN IN3
FS64 26 106 MAIN IN4
FS256 27 107 MAIN IN5
A DATA12 28 108 MAIN IN6
A DATA34 29 109 MAIN IN7
GND 30 110 GND
FS PB 31 111 CLK27 INTBC
FS64 PB 32 112 CLK135 INP
FS256 PB 33 113 CLK18 IN
A DAT 34 114 GND
FRM5 35 115 CLK27 VO
I VBI EN 36 116 CLK135 VO
FRP18 A 37 117 CLK18 EXT
38 118 PIO IN1
39 119 PIO IN2
40 120 PIO OUT1
SLOW H 41 121 PIO OUT2
LIN H 42 122 CF0 SYS
FLASH 43 123 CF1 SYS
GND 44 124 GND
GND 45 125 GND
46 126 MOD REC L
I CW SEL 47 127 I AV S RST3 L
I REC SIG SEL 48 128 O EDA FRP
I REC L 49 129 I OUT FRM SEL
I ACH SEL 50 130 I SDI L
I REC ON L 51 131 I INCOM L
I DREC S 52 132 FF SYS
I AUD FRP 53 133 FS SYS
54 134 O SBC SYS DAT
O SBC SRV DAT 55 135 I SYS SBC DAT
I SRV SBC DAT 56 136 I SYS SBC CLK
I SRV SBC CLK 57 137 I STILL H
I TAPE REV H 58 138 I CAP FG1
O FEND 59 139 O FPS0
O TRP0 60 140 O FPS1
O TRP1 61 141 O SPA
O TRP2 62 142 O TSR
R FE CTL0 63 143 O PB H
R FE CTL1 64 144 RECI
FE CTL0 65 145 CYL IN PG
FE CTL1 66 146 CYL IN FG
GND 67 147 GND
68 148
L REC CTL0 69 149 LCH SEL HSW
L REC CTL1 70 150 RCH SEL HSW
R REC CTL0 71 151 L PB CLK0
R REC CTL1 72 152 L PB CLK1
L REC DATA0 73 153 L PB DATA0
L REC DATA1 74 154 L PB DATA1
R REC DATA0 75 155 R PB CLK0
R REC DATA1 76 156 R PB CLK1
REC CLK0 77 157 R PB DATA0
REC CLK1 78 158 R PB DATA1
GND 79 159 GND
GND 80 160 GND
MAIN_OUT[0-7]
CC_DAT[0-7]
MAIN_IN[0-7]
TEST_OV0
TEST_OA0
ITBC_DLY
TP3001 EYF6CU SLOW_H
TP3002 EYF6CU LIN_H
TP3003 EYF6CU FLASH
R_FE_CTL[0-1]
FE_CTL[0-1]
L_REC_CTL[0-1]
R_REC_CTL[0-1]
L_REC_DATA[0-1]
R_REC_DATA[0-1]
REC_CLK[0-1]
L_PB_CLK[0-1]
L_PB_DATA[0-1]
R_PB_CLK[0-1]
R_PB_DATA[0-1]
R3003 PAT/J3
R3004 PAT/J3
D3001 PAT/MA715-TX
D3002 PAT/MA715-TX
+D5V
P3002
VJP3125D007
ISP TCK 1
GND 2
ISP TMS 3
GND 4
ISP TDI 5
GND 6
ISP TDO 7
R3008 0/J3 ISP_TCK
R3009 0/J3 ISP_TMS
R3010 0/J3 ISP_TDI
R3011 0/J3 ISP_TDO
TDO TDI TMS TCK TRST
CP3005 CP3006 CP3007 CP3008 CP3009
R3005 1000/J3
R3006 1000/J3
R3007 1000/J3
R3012 1000/J3
TDO
TDI
B_CONT[0-2]
+9V
-9V
FL3003 VLF1016A223T
C3005 0.1/UFV
C3009 16V10/EVV
+A9V
FL3004 VLF1016A223T
C3006 0.1/UFV
C3010 16V10/EVV
-A9V
P3003
VJS4168B008
+5.6V
-5.6V
FL3001 VLF1016A223T
C3001 0.1/UFV
IC3001 XC62FP5002PR
C3007 0.1/UFV
C3011 16V10/EVV
+A5V
FL3002 VLF1016A223T
D3003 MA701A-TX
C3008 0.1/UFV
C3012 16V10/EVV
-D5V
+5V
L3001 VLP0133-T
C3002 0.1/UFV
C3003 16V10/EVV
+D5V
+3.3V
L3002 VLP0133-T
C3013 0.1/UFV
C3018 6V47/EVV
+3.3V
D3004 MA736-TX
C3014 0.1/UFV
C3019 6V47/EVV
+D3VA
D3005 MA736-TX
C3015 0.1/UFV
C3020 6V47/EVV
+D3VB
D3006 MA736-TX
C3016 0.1/UFV
C3021 6V47/EVV
+D3VC
D3007 MA701A-TX
C3004 0.1/UFV
IC3002 XC62FP2302PR
C3017 0.1/UFV
C3022 6V22/EVV
+D2V
D3008 MA736-TX
C3023 0.1/UFV
C3024 6V47/EVV
+3VD

Ref No. 3000 Series.

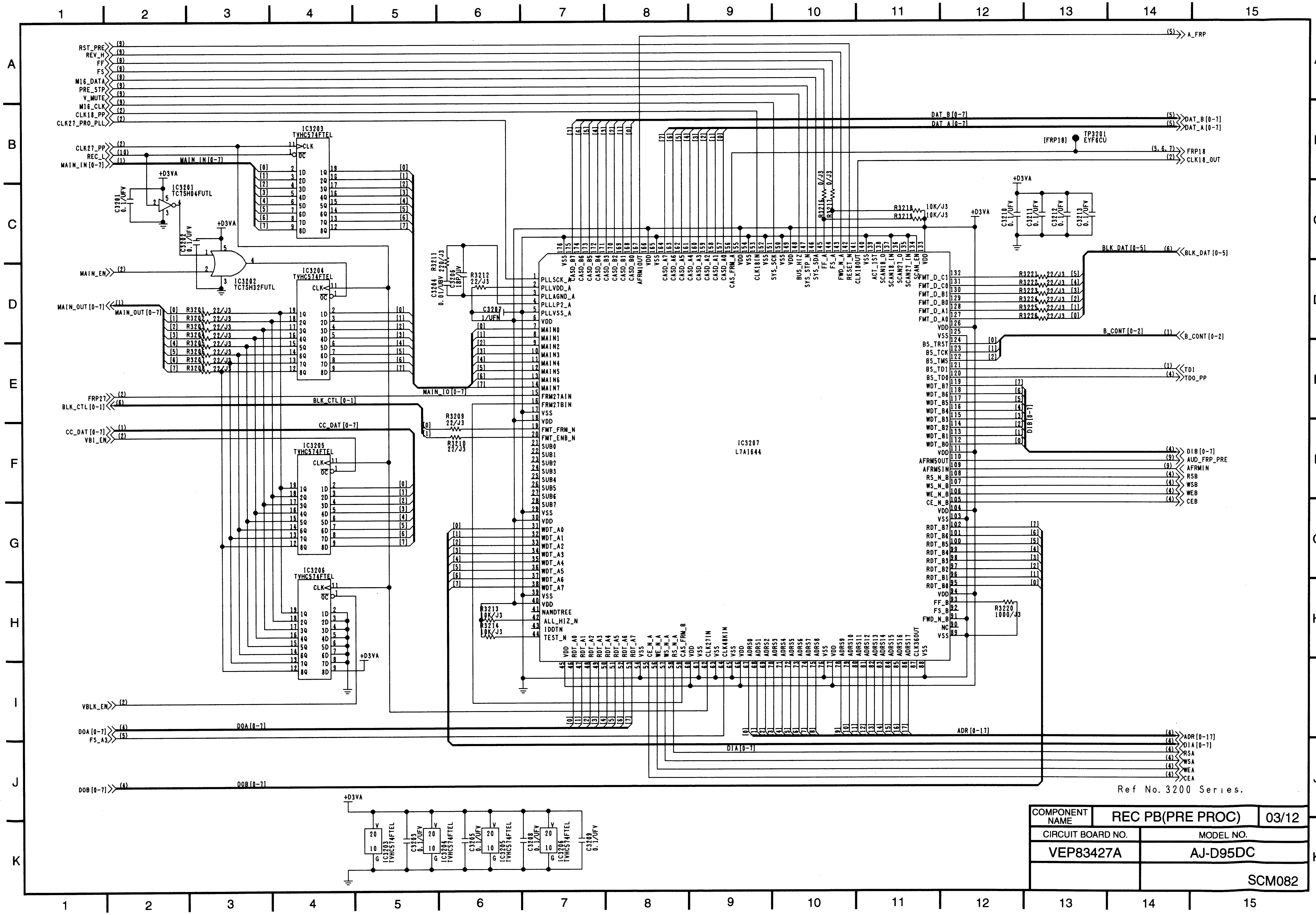
COMPONENT NAME	REC PB(CONNECT)	01/12
CIRCUIT BOARD NO.	MODEL NO.	
VEP83427A	AJ-D95DC	
	SCM080	


ISP_TCK
ISP_TDI
ISP_TMS
VBI_EN_PLD
INCOM_L
IN_CF
REF_CF
IN_FRM
REF_FRM
IN_H
REF_H
IC3101
TVHC157FTEL
TP3101
EYF6CU
TP3102
EYF6CU
PAL_H
IC3104
PZ5128S10BP
VS13187
ISP_TDO
OUT_FRM_SEL
SDI_L
ITBC_DLY
MOD_REC_L
FRP_PB_5V
FRP_REC_5V
FRP_SYS
FRP27
TP3104
TP3103
IC3108
TVHC244FTEL
REC_VD
REC_HD
VBLK_PB
HD_PB
CF0
CF1
GND
TG3101
MAIN_EN
VBI_EN
VBLK_EN
FRP10_A
IC3109
74F163ASJ-R1
INH_A
IC3110
TVHC244FTEL
FRP_PB
FRP_REC
SW_FRM
SW_HD
CLK27_INTBC
CLK27_PP
CLK27_M16
IC3111
TVHC244FTEL
INTBC_VRST
INTBC_HRST
CLK135_INP
CLK135_VO
CLK27_PRO_PLL
CLK27_VO
IC3102
DM74LS123SJX
IC3103
MC74HC125AFR
IC3105
NJM082BV-TE1
IC3106
74F244SJ-R1
X3101
VSX0896
IC3107
TVHC244FTEL
IC3112
TVHC244FTEL
CLK18_OUT
CLK18_PP
CLK18_CAS
CLK18_EXT
CLK18_FMT1
CLK18_SOC
CLK18_SIC
CLK18_IN
EDA_CLK18
CP3192
+D5V
+A5V
+A9V
-A9V
+D3VA
HD
FRM
VRST
HRST
CK135

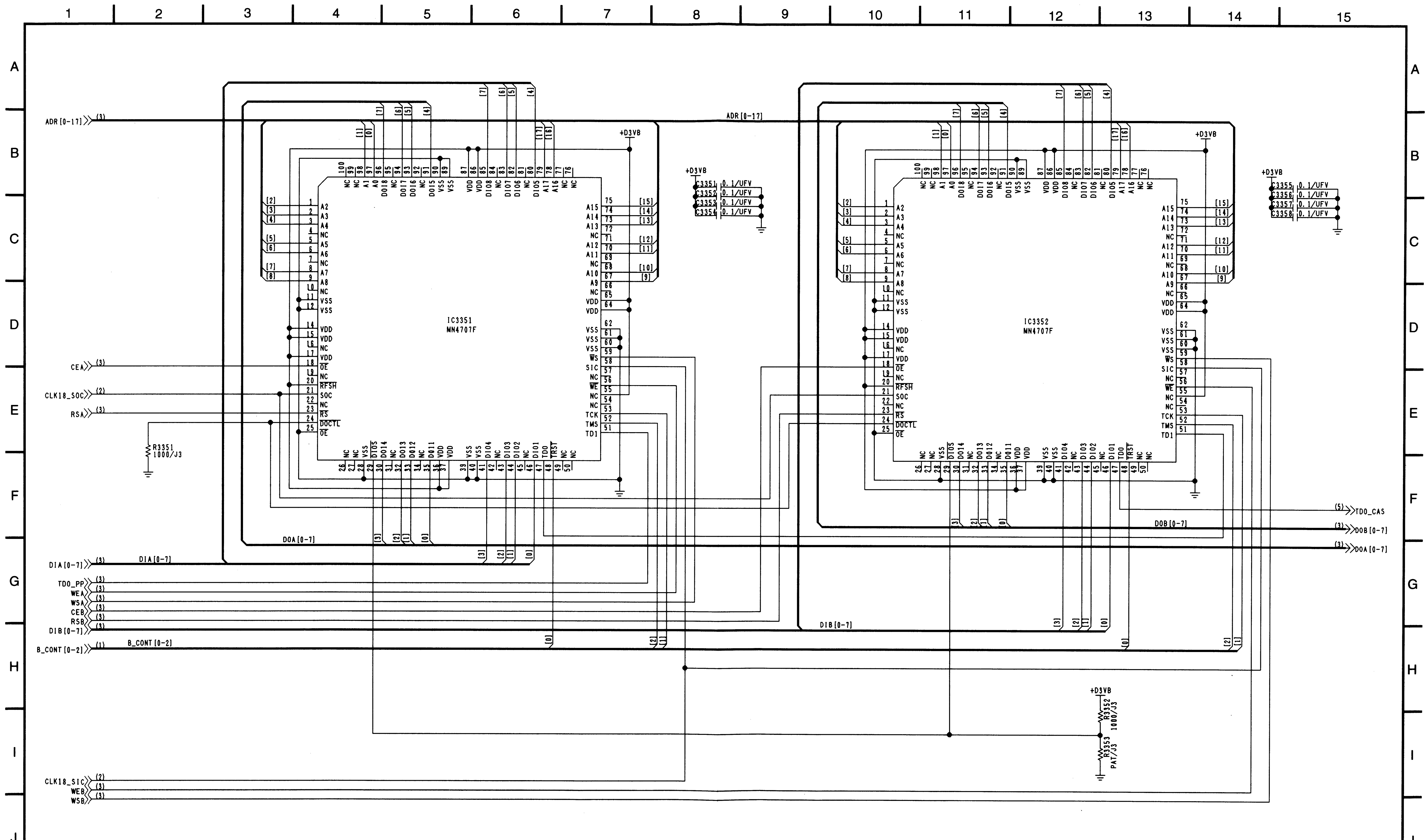
PAT=PATTER ONLY

Ref No. 3100 Series.

COMPONENT NAME	REC PB(IN PLL)	02/12
CIRCUIT BOARD NO.	MODEL NO.	
VEP83427A	AJ-D95DC	
	SCM081	

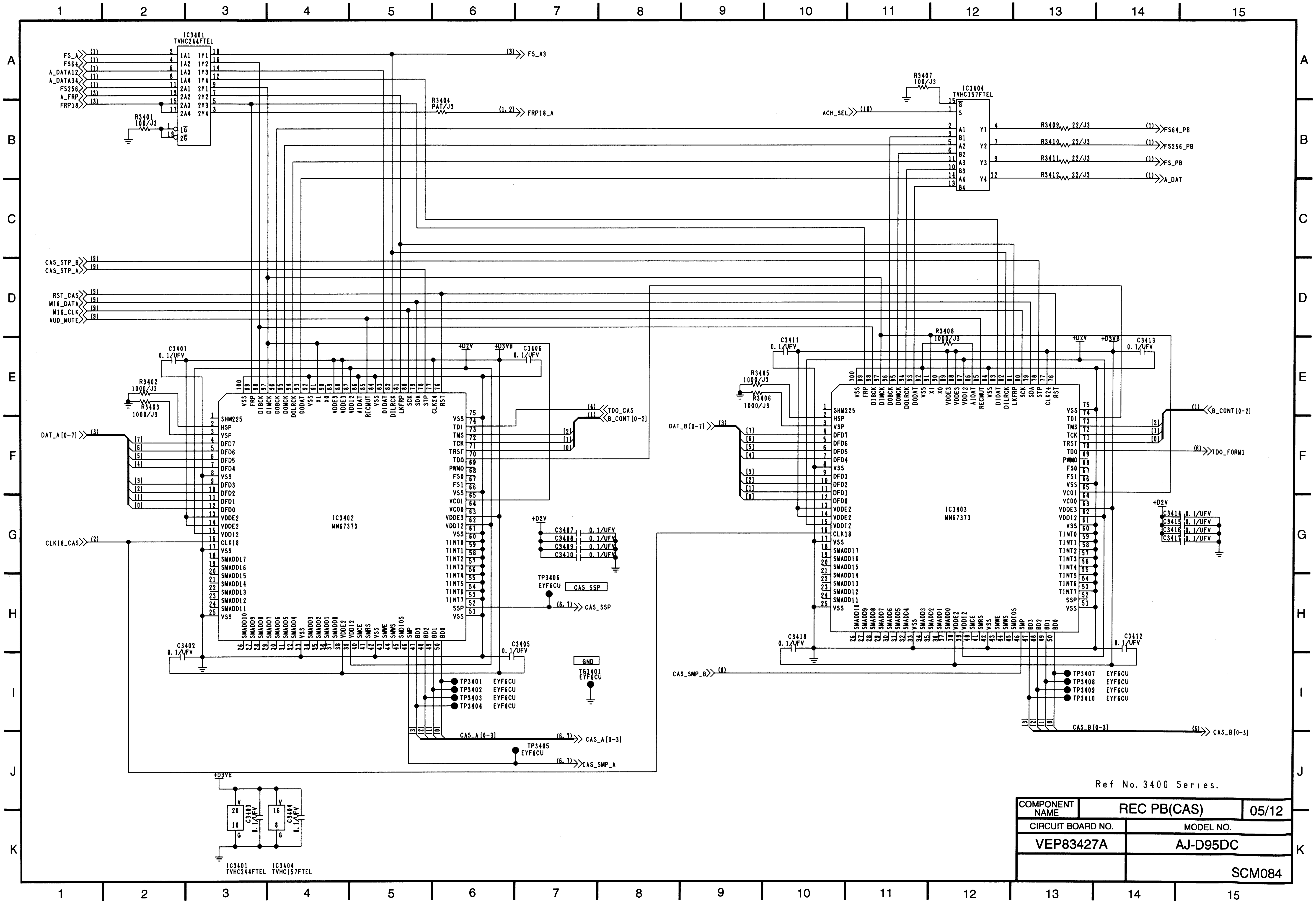

RST_PRE
REV_H
FF
FS
M16_DATA
PRE_STP
V_MUTE
M16_CLK
CLK18_PP
CLK27_PRO_PLL
CLK27_PP
REC_L
MAIN_IN[0-7]
MAIN_EN
MAIN_OUT[0-7]
FRP27
BLK_CTL[0-1]
CC_DAT[0-7]
VBI_EN
VBLK_EN
DOA[0-7]
FS_A3
DOB[0-7]
IC3201
TC7SH04FUTL
IC3202
TC7SH32FUTL
IC3203
TVHC574FTEL
IC3204
TVHC574FTEL
IC3205
TVHC574FTEL
IC3206
TVHC574FTEL
IC3207
L7A1644
+D3VA
A_FRP
DAT_B[0-7]
DAT_A[0-7]
TP3201
EYF6CU
[FRP18]
FRP18
CLK18_OUT
BLK_DAT[0-5]
B_CONT[0-2]
TDI
TDO_PP
DIB[0-7]
AUD_FRP_PRE
AFRMIN
RSB
WSB
WEB
CEB
ADR[0-17]
DIA[0-7]
RSA
WSA
WEA
CEA
R3209 22/J3
R3210 22/J3
R3211 220/J3
R3212 22/J3
R3213 10K/J3
R3214 10K/J3
R3216 0/J3
R3217 0/J3
R3218 10K/J3
R3219 10K/J3
R3220 1000/J3
C3201 0.1/UFV
C3202 0.1/UFV
C3204 0.01/UBV
C3206 18P/UV
C3207 1/UFN
C3210 0.1/UFV
C3211 0.1/UFV
C3212 0.1/UFV
C3213 0.1/UFV
C3203 0.1/UFV
C3205 0.1/UFV
C3208 0.1/UFV
C3209 0.1/UFV
Ref No. 3200 Series.

COMPONENT NAME	REC PB(PRE PROC)	03/12
CIRCUIT BOARD NO.	MODEL NO.	
VEP83427A	AJ-D95DC	
	SCM082	


IC3351
MN4707F
IC3352
MN4707F
ADR[0-17]
+D3VB
C3351 0.1/UFV
C3352 0.1/UFV
C3353 0.1/UFV
C3354 0.1/UFV
C3355 0.1/UFV
C3356 0.1/UFV
C3357 0.1/UFV
C3358 0.1/UFV
CEA
CLK18_SOC
RSA
R3351 1000/J3
DIA[0-7]
TDO_PP
WEA
WSA
CEB
RSB
DIB[0-7]
B_CONT[0-2]
DOA[0-7]
DOB[0-7]
TDO_CAS
R3352 1000/J3
R3353 PAT/J3
CLK18_SIC
WEB
WSB

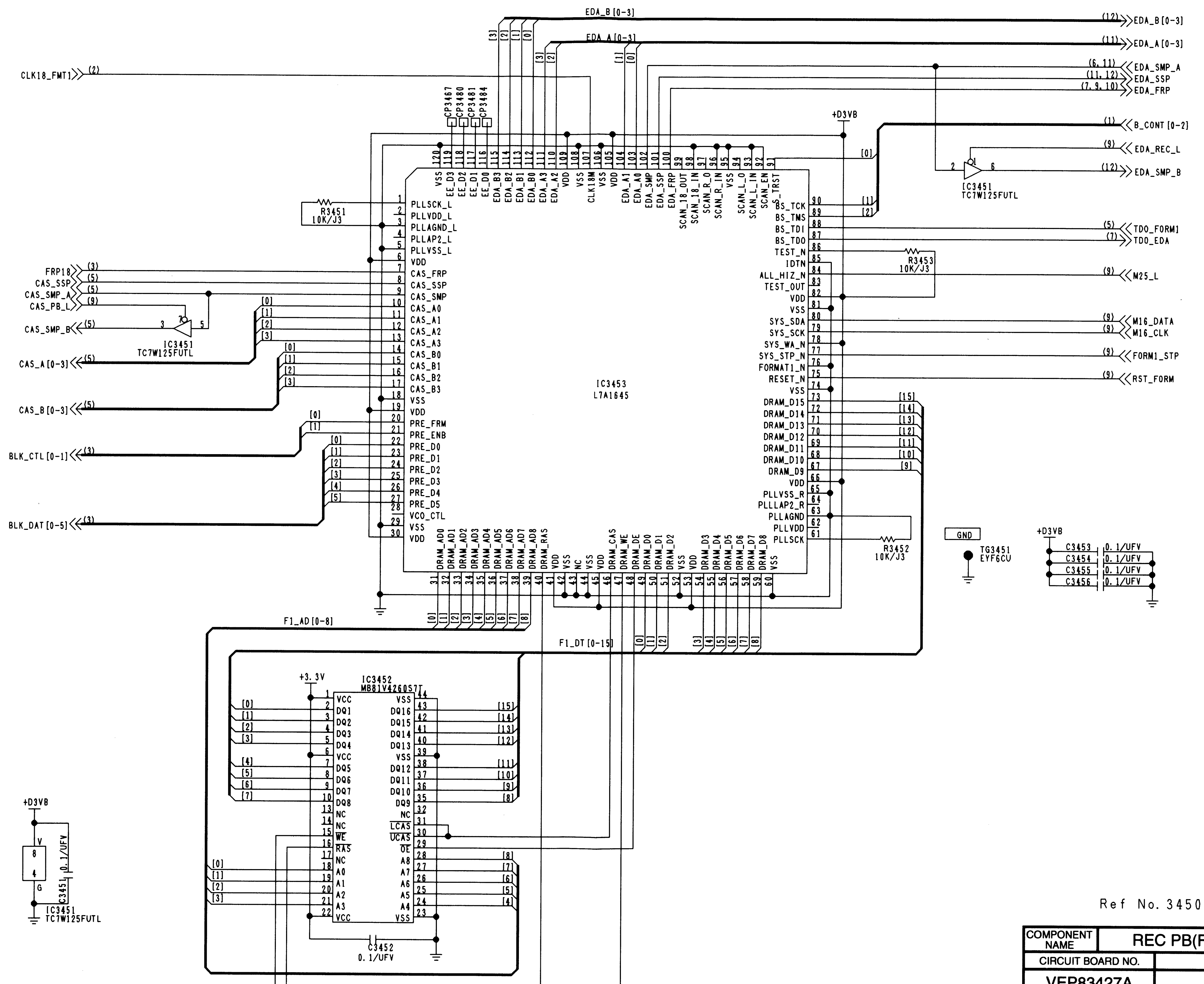
Ref No. 3350 Series.

COMPONENT NAME	REC PB(SHUF MEM)	04/12
CIRCUIT BOARD NO.	MODEL NO.	
VEP83427A	AJ-D95DC	
	SCM083	


IC3401
TVHC244FTEL
FS_A
FS64
A_DATA12
A_DATA34
FS256
A_FRP
FRP18
R3401
100/J3
FS_A3
R3404
PAT/J3
FRP18_A
R3407
100/J3
IC3404
TVHC157FTEL
ACH_SEL
R3409 22/J3
R3410 22/J3
R3411 22/J3
R3412 22/J3
FS64_PB
FS256_PB
FS_PB
A_DAT
CAS_STP_B
CAS_STP_A
RST_CAS
M16_DATA
M16_CLK
AUD_MUTE
C3401
0.1/UFV
R3402
1000/J3
R3403
1000/J3
+D2V
+D3VB
C3406
0.1/UFV
TDO_CAS
B_CONT[0-2]
DAT_A[0-7]
CLK18_CAS
IC3402
MN67373
C3407 0.1/UFV
C3408 0.1/UFV
C3409 0.1/UFV
C3410 0.1/UFV
TP3406
EYF6CU
CAS_SSP
C3402
0.1/UFV
C3405
0.1/UFV
GND
TG3401
EYF6CU
TP3401 EYF6CU
TP3402 EYF6CU
TP3403 EYF6CU
TP3404 EYF6CU
CAS_A[0-3]
TP3405
EYF6CU
CAS_SMP_A
C3411
0.1/UFV
R3408
1000/J3
C3413
0.1/UFV
R3405
1000/J3
R3406
1000/J3
DAT_B[0-7]
IC3403
MN67373
TDO_FORM1
C3414 0.1/UFV
C3415 0.1/UFV
C3416 0.1/UFV
C3417 0.1/UFV
C3418
0.1/UFV
C3412
0.1/UFV
CAS_SMP_B
TP3407 EYF6CU
TP3408 EYF6CU
TP3409 EYF6CU
TP3410 EYF6CU
CAS_B[0-3]
C3403
0.1/UFV
C3404
0.1/UFV
IC3401
TVHC244FTEL
IC3404
TVHC157FTEL

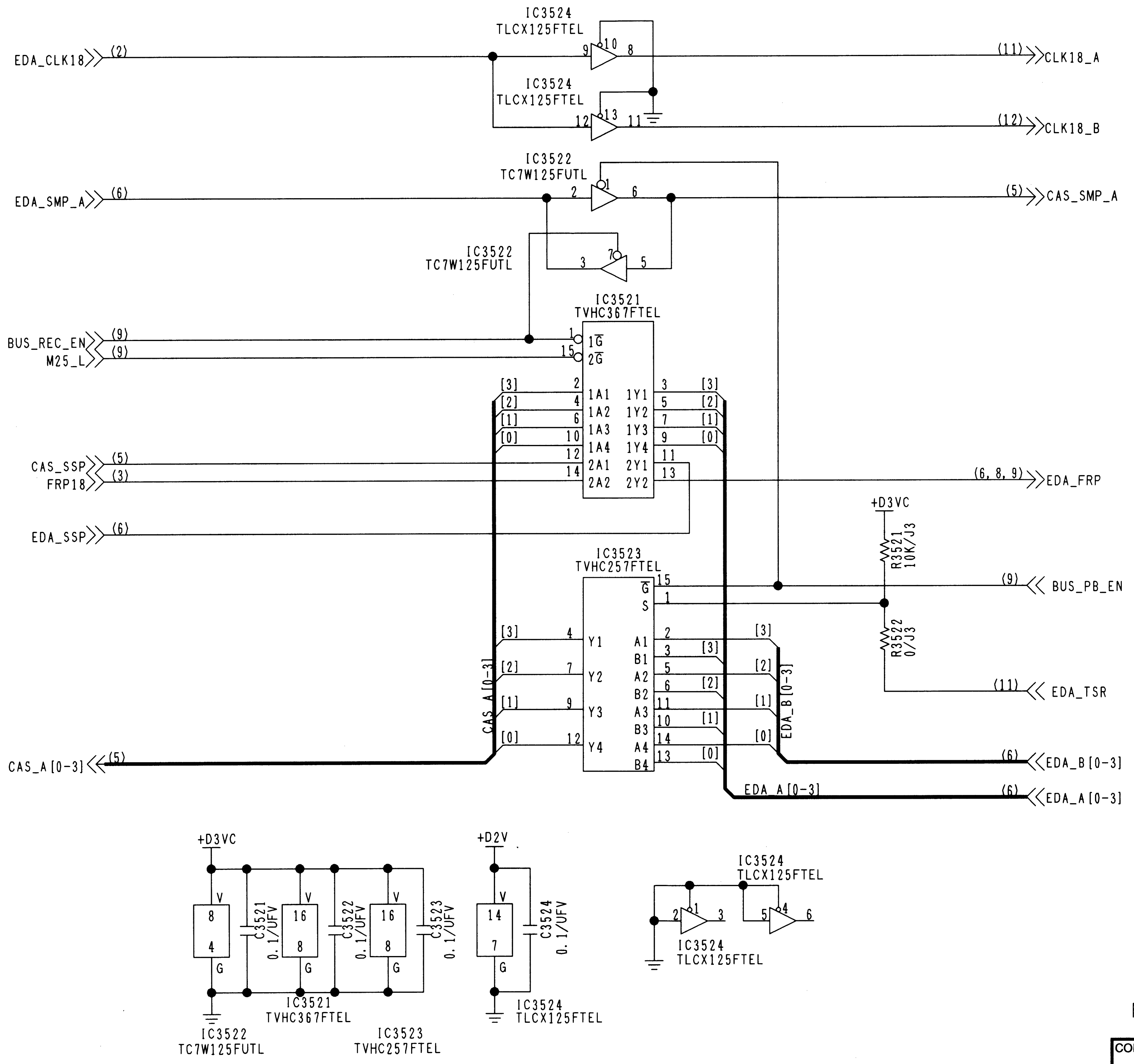
Ref No. 3400 Series.

COMPONENT NAME	REC PB(CAS)	05/12
CIRCUIT BOARD NO.	MODEL NO.	
VEP83427A	AJ-D95DC	
	SCM084	


EDA_B[0-3]
EDA_A[0-3]
EDA_SMP_A
EDA_SSP
EDA_FRP
B_CONT[0-2]
EDA_REC_L
EDA_SMP_B
IC3451
TC7W125FUTL
+D3VB
CLK18_FMT1
CP3467
CP3480
CP3481
CP3484
R3451
10K/J3
FRP18
CAS_SSP
CAS_SMP_A
CAS_PB_L
CAS_SMP_B
CAS_A[0-3]
CAS_B[0-3]
BLK_CTL[0-1]
BLK_DAT[0-5]
PLLSCK_L
PLLVDD_L
PLLAGND_L
PLLAP2_L
PLLVSS_L
VDD
CAS_FRP
CAS_SSP
CAS_SMP
CAS_A0
CAS_A1
CAS_A2
CAS_A3
CAS_B0
CAS_B1
CAS_B2
CAS_B3
VSS
PRE_FRM
PRE_ENB
PRE_D0
PRE_D1
PRE_D2
PRE_D3
PRE_D4
PRE_D5
VCO_CTL
EE_D3
EE_D2
EE_D1
EE_D0
EDA_B3
EDA_B2
EDA_B1
EDA_B0
EDA_A3
EDA_A2
CLK18M
EDA_A1
EDA_A0
EDA_SMP
EDA_SSP
EDA_FRP
SCAN_18_OUT
SCAN_18_IN
SCAN_R_O
SCAN_R_IN
SCAN_L_O
SCAN_L_IN
SCAN_EN
S_TRST
BS_TCK
BS_TMS
BS_TDI
BS_TDO
TEST_N
IDTN
ALL_HIZ_N
TEST_OUT
SYS_SDA
SYS_SCK
SYS_WA_N
SYS_STP_N
FORMAT1_N
RESET_N
DRAM_D15
DRAM_D14
DRAM_D13
DRAM_D12
DRAM_D11
DRAM_D10
DRAM_D9
PLLVSS_R
PLLLAP2_R
PLLAGND
PLLVDD
PLLSCK
R3453
10K/J3
R3452
10K/J3
TDO_FORM1
TDO_EDA
M25_L
M16_DATA
M16_CLK
FORM1_STP
RST_FORM
IC3453
L7A1645
DRAM_AD0
DRAM_AD1
DRAM_AD2
DRAM_AD3
DRAM_AD4
DRAM_AD5
DRAM_AD6
DRAM_AD7
DRAM_AD8
DRAM_RAS
NC
DRAM_CAS
DRAM_WE
DRAM_DE
DRAM_D0
DRAM_D1
DRAM_D2
DRAM_D3
DRAM_D4
DRAM_D5
DRAM_D6
DRAM_D7
DRAM_D8
GND
TG3451
EYF6CU
C3453
C3454
C3455
C3456
0.1/UFV
F1_AD[0-8]
F1_DT[0-15]
+3.3V
IC3452
MB81V4260S7T
VCC
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
DQ8
WE
RAS
A0
A1
A2
A3
DQ16
DQ15
DQ14
DQ13
DQ12
DQ11
DQ10
DQ9
LCAS
UCAS
OE
A8
A7
A6
A5
A4
C3452
0.1/UFV
C3451
0.1/UFV

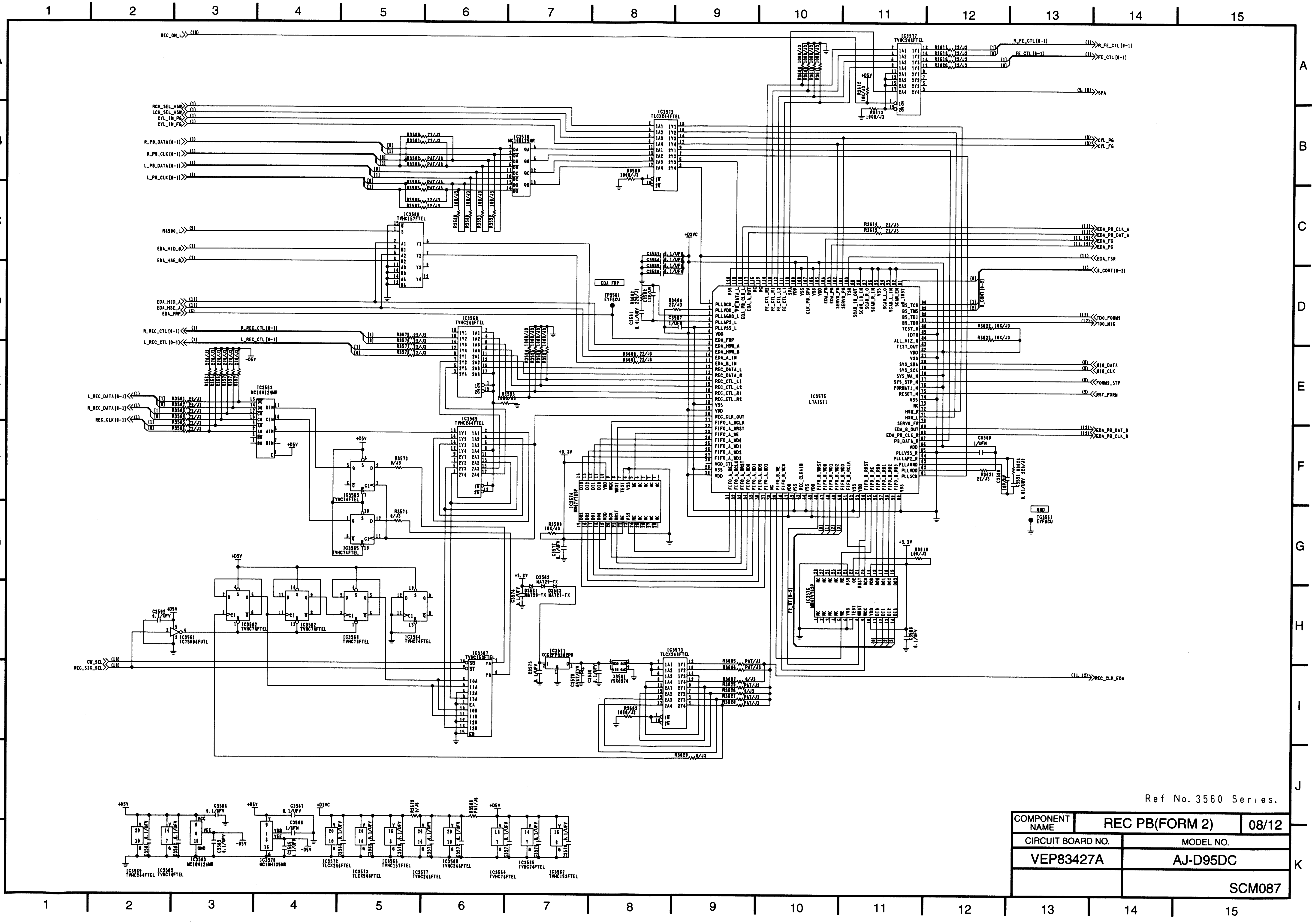
Ref No. 3450 Series.

COMPONENT NAME	REC PB(FORM 1)	06/12
CIRCUIT BOARD NO.	MODEL NO.	
VEP83427A	AJ-D95DC	
	SCM085	


IC3524
TLCX125FTEL
EDA_CLK18
(2)
(11)
CLK18_A
(12)
CLK18_B
IC3522
TC7W125FUTL
EDA_SMP_A
(6)
(5)
CAS_SMP_A
IC3521
TVHC367FTEL
BUS_REC_EN
M25_L
(9)
1G
2G
1A1
1A2
1A3
1A4
2A1
2A2
1Y1
1Y2
1Y3
1Y4
2Y1
2Y2
CAS_SSP
FRP18
(3)
(6, 8, 9)
EDA_FRP
EDA_SSP
+D3VC
R3521
10K/J3
IC3523
TVHC257FTEL
BUS_PB_EN
R3522
0/J3
EDA_TSR
CAS_A[0-3]
EDA_B[0-3]
EDA_B[0-3]
EDA_A[0-3]
EDA_A[0-3]
C3521
0.1/UFV
C3522
0.1/UFV
C3523
0.1/UFV
+D2V
C3524
0.1/UFV
IC3522
TC7W125FUTL
IC3521
TVHC367FTEL
IC3523
TVHC257FTEL
IC3524
TLCX125FTEL

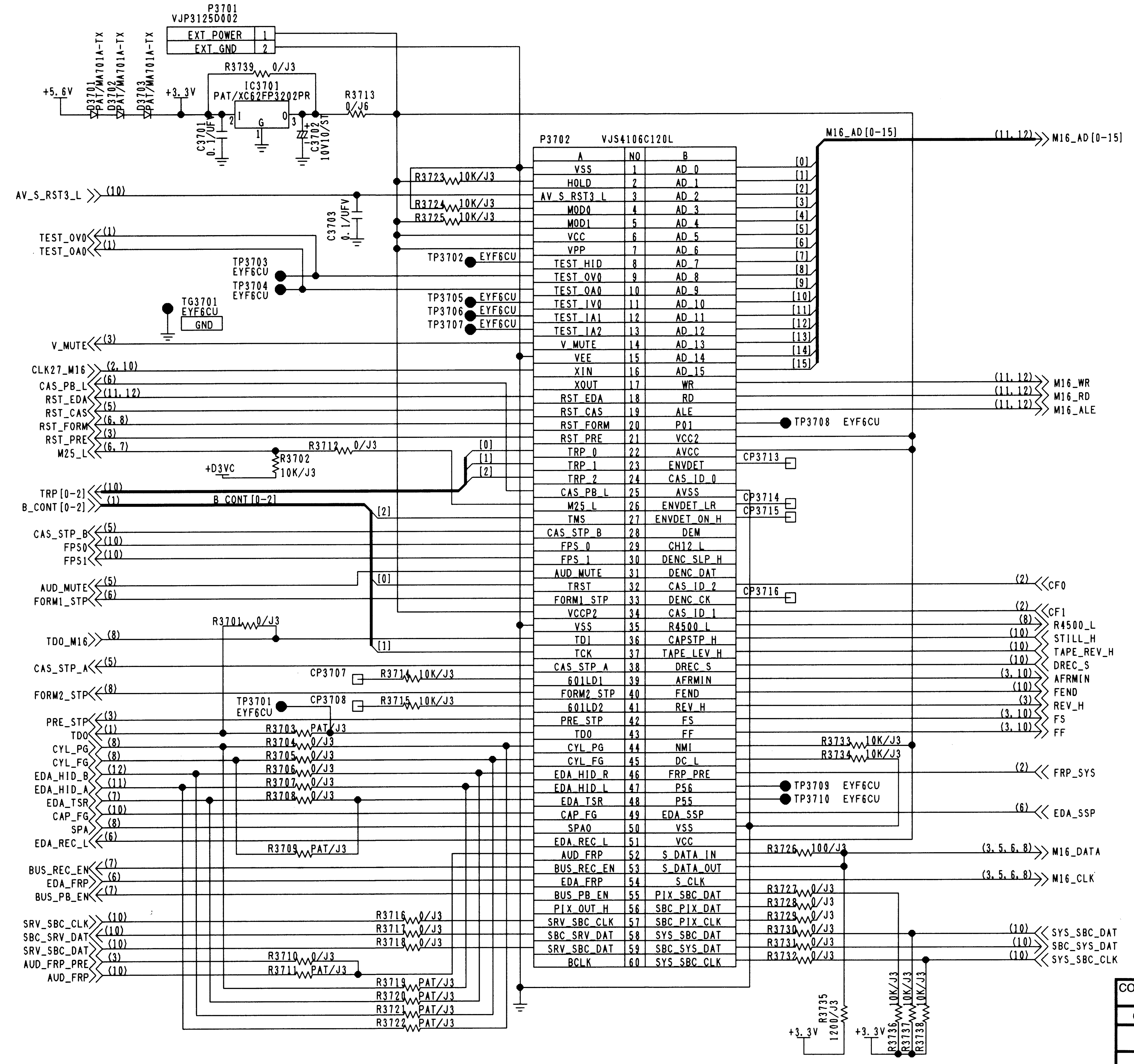
Ref No.3520 Series.

COMPONENT NAME	REC PB(EDA CONNECT)	07/12
CIRCUIT BOARD NO.	MODEL NO.	
VEP83427A	AJ-D95DC	
	SCM086	


REC_ON_L
RCH_SEL_HSW
LCH_SEL_HSW
CYL_IN_PG
CYL_IN_FG
R_PB_DATA[0-1]
R_PB_CLK[0-1]
L_PB_DATA[0-1]
L_PB_CLK[0-1]
EDA_HID_B
EDA_HSE_B
EDA_HID_A
EDA_HSE_A
EDA_FRP
R_REC_CTL[0-1]
L_REC_CTL[0-1]
L_REC_DATA[0-1]
R_REC_DATA[0-1]
REC_CLK[0-1]
CW_SEL
REC_SIG_SEL
R_FE_CTL[0-1]
FE_CTL[0-1]
SPA
CYL_PG
CYL_FG
EDA_PB_CLK_A
EDA_PB_DAT_A
EDA_FG
EDA_PG
EDA_TSR
B_CONT[0-2]
TDO_FORM2
TDO_M15
M18_DATA
M18_CLK
FORM2_STP
RST_FORM
EDA_PB_DAT_B
EDA_PB_CLK_B
REC_CLK_EDA
IC3575
LTA1571
IC3577
IC3572
IC3568
IC3569
IC3563
IC3566
IC3567
IC3573
IC3574
IC3576
IC3561
IC3562
IC3564
IC3565
IC3571
X3561
TP3561
TG3561
GND
EDA_FRP
+D5V
+3.3V
+5.6V
-D5V
+D3VC

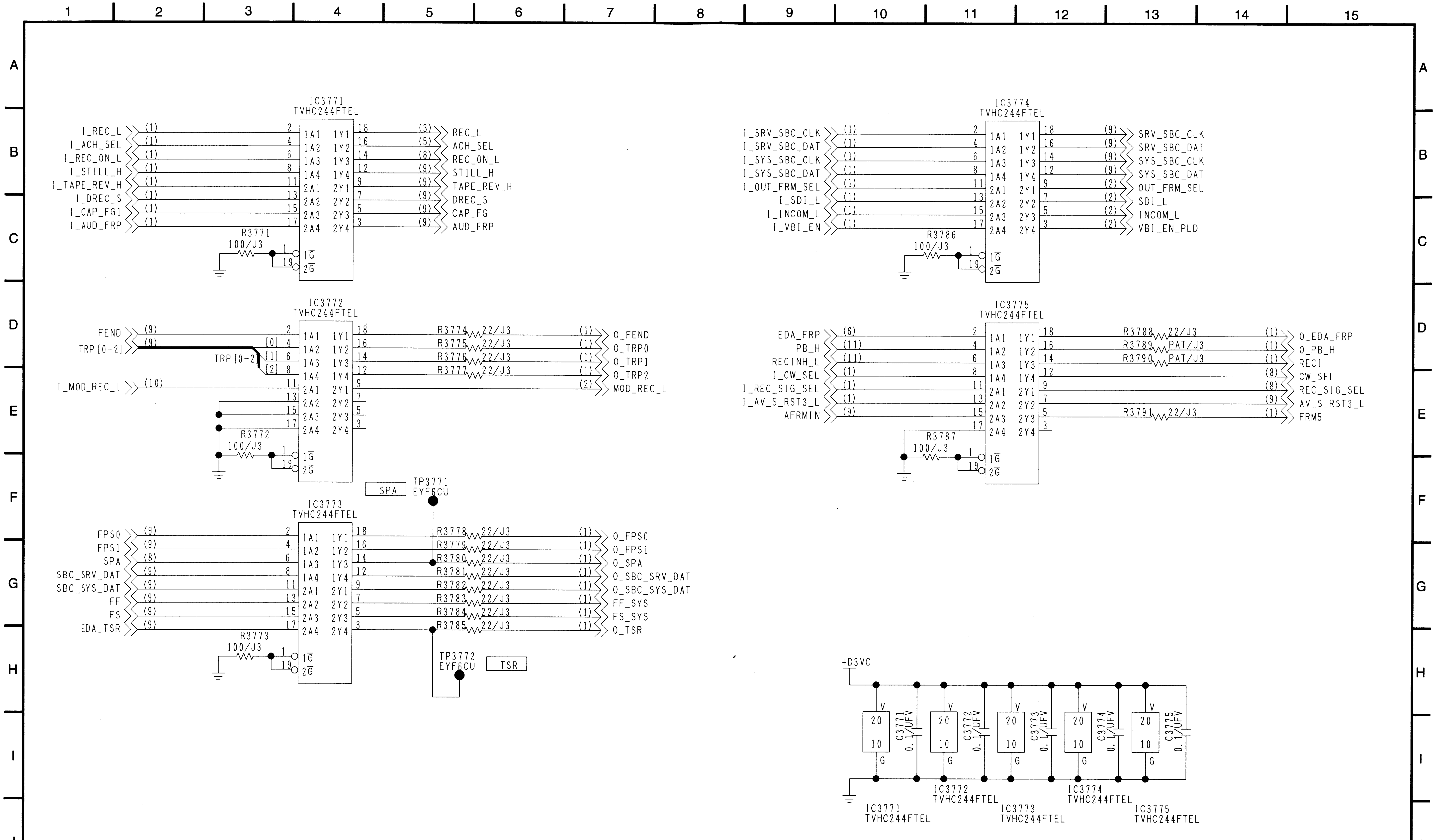
Ref No. 3560 Series.

COMPONENT NAME	REC PB(FORM 2)	08/12
CIRCUIT BOARD NO.	MODEL NO.	
VEP83427A	AJ-D95DC	
	SCM087	


P3701
VJP3125D002
EXT_POWER 1
EXT_GND 2
R3739 0/J3
IC3701
PAT/XC62FP3202PR
+5.6V
+3.3V
D3701 PAT/MA701A-TX
D3702 PAT/MA701A-TX
D3703 PAT/MA701A-TX
C3701 0.1/UF
C3702 10V10/ST
R3713 0/J6
P3702 VJS4106C120L
M16_AD[0-15]
(11,12) M16_AD[0-15]
R3723 10K/J3
R3724 10K/J3
R3725 10K/J3
AV_S_RST3_L (10)
C3703 0.1/UFV
TEST_OV0 (1)
TEST_OA0 (1)
TP3703 EYF6CU
TP3704 EYF6CU
TP3702 EYF6CU
TP3705 EYF6CU
TP3706 EYF6CU
TP3707 EYF6CU
TG3701 EYF6CU GND
V_MUTE (3)
CLK27_M16 (2,10)
CAS_PB_L (6)
RST_EDA (11,12)
RST_CAS (5)
RST_FORM (6,8)
RST_PRE (3)
M25_L (6,7)
R3712 0/J3
R3702 10K/J3
+D3VC
TRP[0-2] (10)
B_CONT[0-2] (1)
B_CONT[0-2]
CAS_STP_B (5)
FPS0 (10)
FPS1 (10)
AUD_MUTE (5)
FORM1_STP (6)
R3701 0/J3
TDO_M16 (8)
CAS_STP_A (5)
CP3707
R3714 10K/J3
FORM2_STP (8)
TP3701 EYF6CU
CP3708
R3715 10K/J3
PRE_STP (3)
TDO (1)
CYL_PG (8)
CYL_FG (8)
EDA_HID_B (12)
EDA_HID_A (11)
EDA_TSR (7)
CAP_FG (10)
SPA (8)
EDA_REC_L (6)
R3703 PAT/J3
R3704 0/J3
R3705 0/J3
R3706 0/J3
R3707 0/J3
R3708 0/J3
R3709 PAT/J3
BUS_REC_EN (7)
EDA_FRP (6)
BUS_PB_EN (7)
SRV_SBC_CLK (10)
SBC_SRV_DAT (10)
SRV_SBC_DAT (10)
AUD_FRP_PRE (3)
AUD_FRP (10)
R3716 0/J3
R3717 0/J3
R3718 0/J3
R3710 0/J3
R3711 PAT/J3
R3719 PAT/J3
R3720 PAT/J3
R3721 PAT/J3
R3722 PAT/J3
A NO B
VSS 1 AD_0
HOLD 2 AD_1
AV_S_RST3_L 3 AD_2
MOD0 4 AD_3
MOD1 5 AD_4
VCC 6 AD_5
VPP 7 AD_6
TEST_HID 8 AD_7
TEST_OV0 9 AD_8
TEST_OA0 10 AD_9
TEST_IV0 11 AD_10
TEST_IA1 12 AD_11
TEST_IA2 13 AD_12
V_MUTE 14 AD_13
VEE 15 AD_14
XIN 16 AD_15
XOUT 17 WR
RST_EDA 18 RD
RST_CAS 19 ALE
RST_FORM 20 P01
RST_PRE 21 VCC2
TRP_0 22 AVCC
TRP_1 23 ENVDET
TRP_2 24 CAS_ID_0
CAS_PB_L 25 AVSS
M25_L 26 ENVDET_LR
TMS 27 ENVDET_ON_H
CAS_STP_B 28 DEM
FPS_0 29 CH12_L
FPS_1 30 DENC_SLP_H
AUD_MUTE 31 DENC_DAT
TRST 32 CAS_ID_2
FORM1_STP 33 DENC_CK
VCCP2 34 CAS_ID_1
VSS 35 R4500_L
TDI 36 CAPSTP_H
TCK 37 TAPE_LEV_H
CAS_STP_A 38 DREC_S
601LD1 39 AFRMIN
FORM2_STP 40 FEND
601LD2 41 REV_H
PRE_STP 42 FS
TDO 43 FF
CYL_PG 44 NMI
CYL_FG 45 DC_L
EDA_HID_R 46 FRP_PRE
EDA_HID_L 47 P56
EDA_TSR 48 P55
CAP_FG 49 EDA_SSP
SPA0 50 VSS
EDA_REC_L 51 VCC
AUD_FRP 52 S_DATA_IN
BUS_REC_EN 53 S_DATA_OUT
EDA_FRP 54 S_CLK
BUS_PB_EN 55 PIX_SBC_DAT
PIX_OUT_H 56 SBC_PIX_DAT
SRV_SBC_CLK 57 SBC_PIX_CLK
SBC_SRV_DAT 58 SYS_SBC_DAT
SRV_SBC_DAT 59 SBC_SYS_DAT
BCLK 60 SYS_SBC_CLK
[0] [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15]
(11,12) M16_WR
(11,12) M16_RD
(11,12) M16_ALE
TP3708 EYF6CU
CP3713
CP3714
CP3715
CP3716
(2) CF0
(2) CF1
(8) R4500_L
(10) STILL_H
(10) TAPE_REV_H
(10) DREC_S
(3,10) AFRMIN
(10) FEND
(3) REV_H
(3,10) FS
(3,10) FF
R3733 10K/J3
R3734 10K/J3
(2) FRP_SYS
TP3709 EYF6CU
TP3710 EYF6CU
(6) EDA_SSP
R3726 100/J3
(3,5,6,8) M16_DATA
(3,5,6,8) M16_CLK
R3727 0/J3
R3728 0/J3
R3729 0/J3
R3730 0/J3
R3731 0/J3
R3732 0/J3
(10) SYS_SBC_DAT
(10) SBC_SYS_DAT
(10) SYS_SBC_CLK
R3735 1200/J3
+3.3V
R3736 10K/J3
R3737 10K/J3
R3738 10K/J3

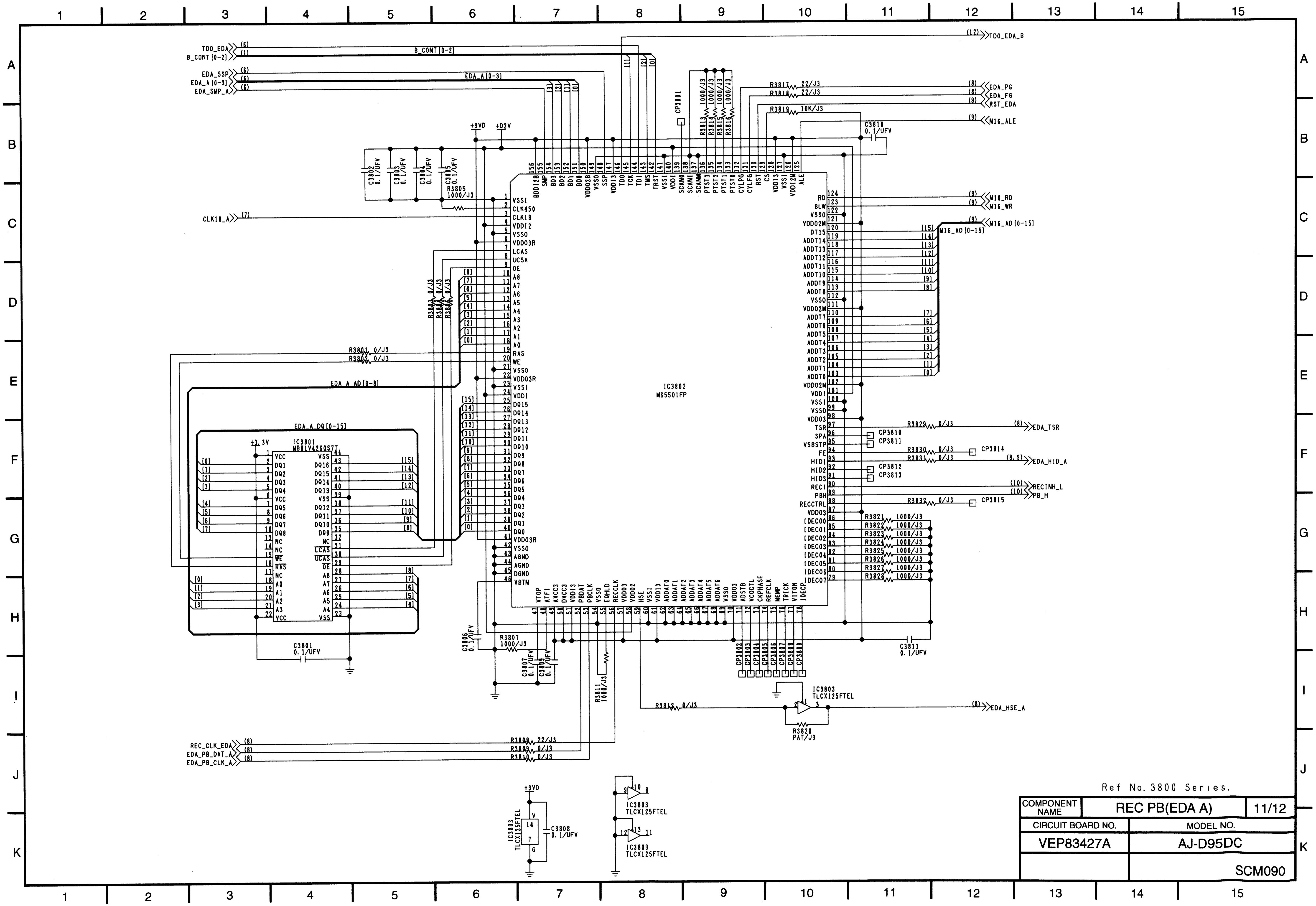
Ref No. 3700 Series.

COMPONENT NAME	REC PB(M16 CONNECT)	09/12
CIRCUIT BOARD NO.	MODEL NO.	
VEP83427A	AJ-D95DC	
	SCM088	


IC3771
TVHC244FTEL
I_REC_L
I_ACH_SEL
I_REC_ON_L
I_STILL_H
I_TAPE_REV_H
I_DREC_S
I_CAP_FGI
I_AUD_FRP
REC_L
ACH_SEL
REC_ON_L
STILL_H
TAPE_REV_H
DREC_S
CAP_FG
AUD_FRP
R3771
100/J3
IC3772
TVHC244FTEL
FEND
TRP[0-2]
I_MOD_REC_L
R3774 22/J3
R3775 22/J3
R3776 22/J3
R3777 22/J3
O_FEND
O_TRP0
O_TRP1
O_TRP2
MOD_REC_L
R3772
100/J3
SPA
TP3771
EYF6CU
IC3773
TVHC244FTEL
FPS0
FPS1
SPA
SBC_SRV_DAT
SBC_SYS_DAT
FF
FS
EDA_TSR
R3778 22/J3
R3779 22/J3
R3780 22/J3
R3781 22/J3
R3782 22/J3
R3783 22/J3
R3784 22/J3
R3785 22/J3
O_FPS0
O_FPS1
O_SPA
O_SBC_SRV_DAT
O_SBC_SYS_DAT
FF_SYS
FS_SYS
O_TSR
R3773
100/J3
TP3772
EYF6CU
TSR
IC3774
TVHC244FTEL
I_SRV_SBC_CLK
I_SRV_SBC_DAT
I_SYS_SBC_CLK
I_SYS_SBC_DAT
I_OUT_FRM_SEL
I_SDI_L
I_INCOM_L
I_VBI_EN
SRV_SBC_CLK
SRV_SBC_DAT
SYS_SBC_CLK
SYS_SBC_DAT
OUT_FRM_SEL
SDI_L
INCOM_L
VBI_EN_PLD
R3786
100/J3
IC3775
TVHC244FTEL
EDA_FRP
PB_H
RECINH_L
I_CW_SEL
I_REC_SIG_SEL
I_AV_S_RST3_L
AFRMIN
R3788 22/J3
R3789 PAT/J3
R3790 PAT/J3
R3791 22/J3
O_EDA_FRP
O_PB_H
RECI
CW_SEL
REC_SIG_SEL
AV_S_RST3_L
FRM5
R3787
100/J3
+D3VC
C3771 0.1/UFV
C3772 0.1/UFV
C3773 0.1/UFV
C3774 0.1/UFV
C3775 0.1/UFV
IC3771 TVHC244FTEL
IC3772 TVHC244FTEL
IC3773 TVHC244FTEL
IC3774 TVHC244FTEL
IC3775 TVHC244FTEL

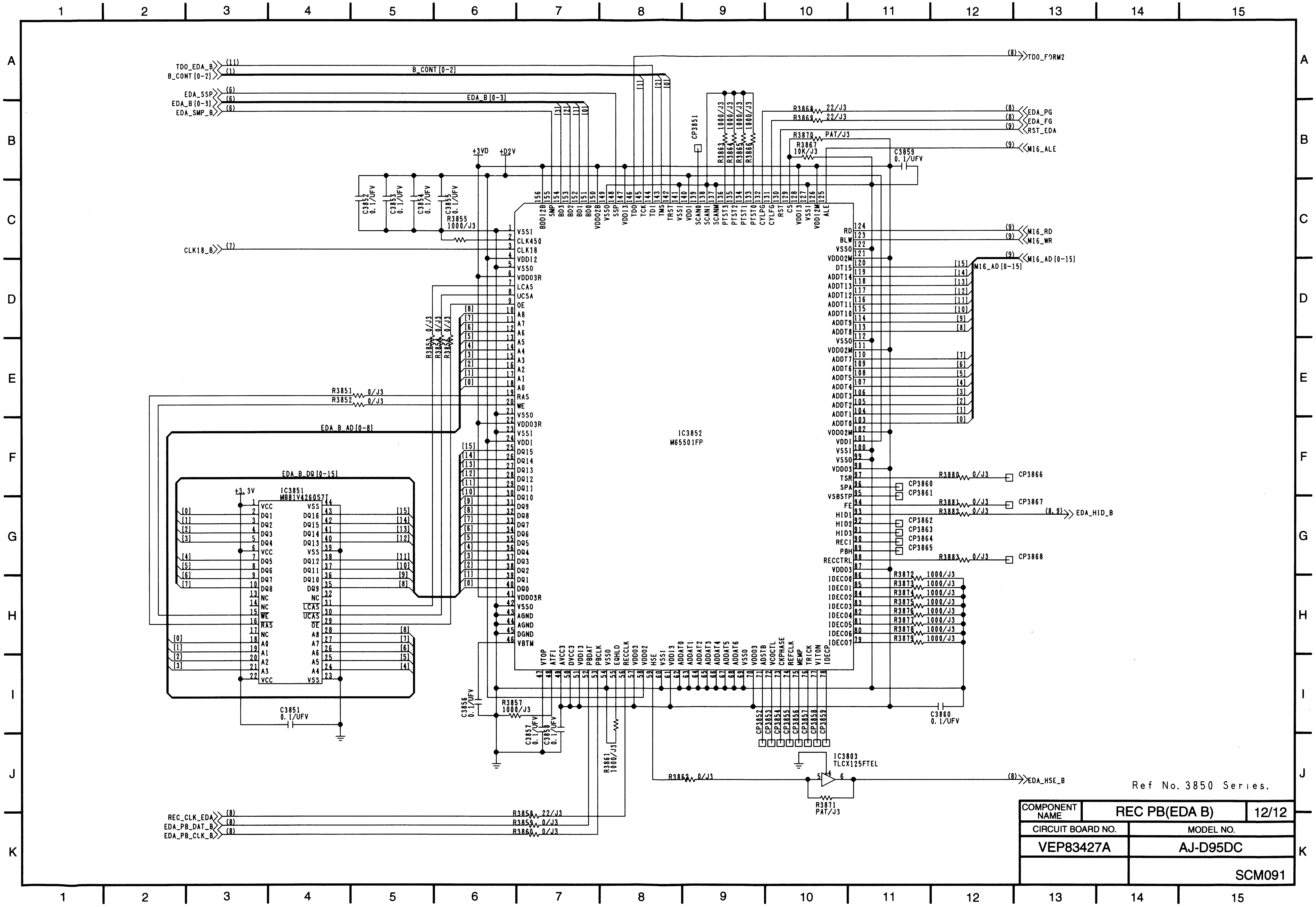
Ref No. 3770 Series.

COMPONENT NAME	REC PB(OUT BUFFER)	10/12
CIRCUIT BOARD NO.	MODEL NO.	
VEP83427A	AJ-D95DC	
	SCM089	

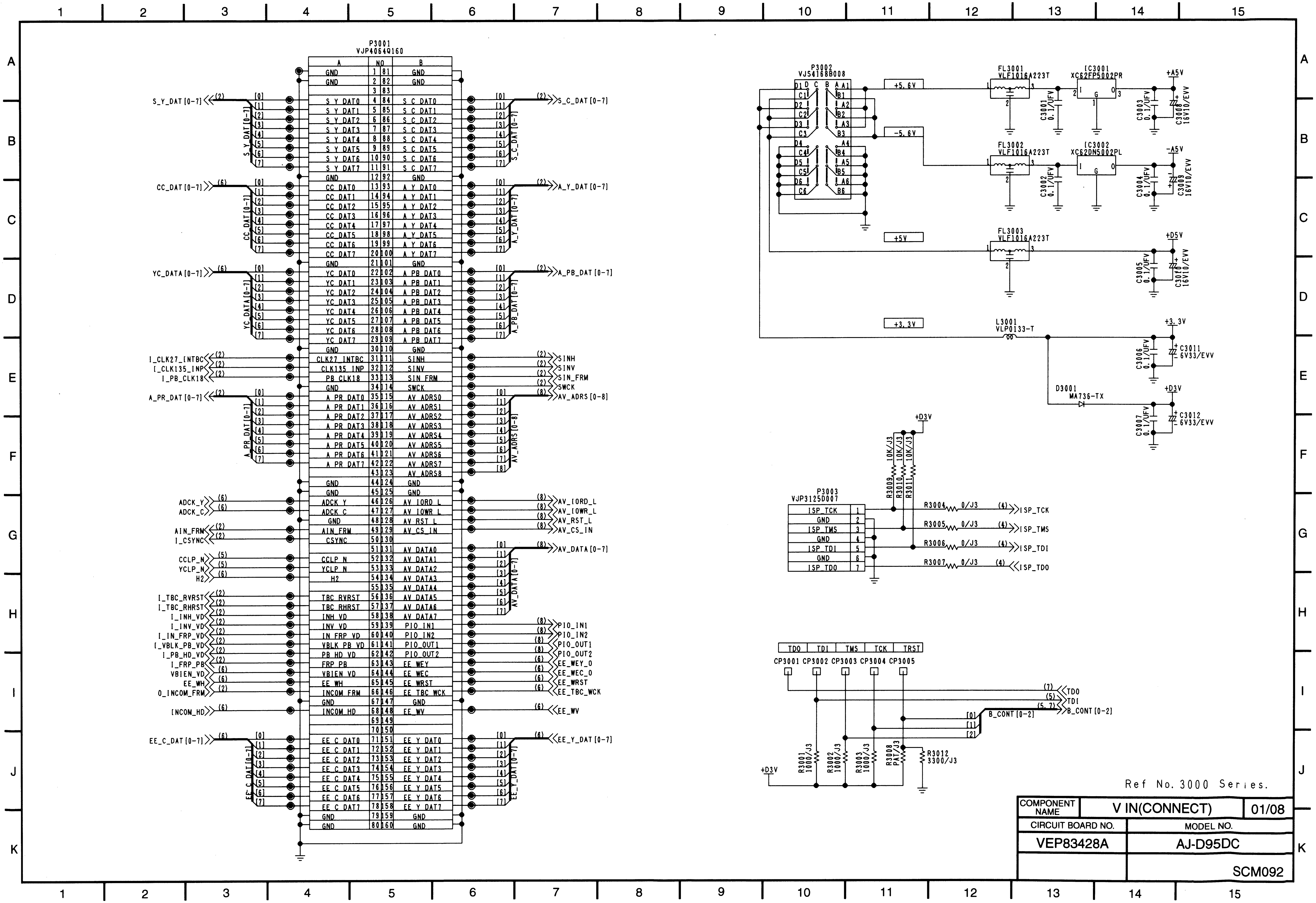

TDO_EDA
B_CONT [0-2]
EDA_SSP
EDA_A [0-3]
EDA_SMP_A
CLK18_A
TDO_EDA_B
EDA_PG
EDA_FG
RST_EDA
M16_ALE
M16_RD
M16_WR
M16_AD [0-15]
EDA_TSR
EDA_HID_A
RECINH_L
PB_H
EDA_HSE_A
REC_CLK_EDA
EDA_PB_DAT_A
EDA_PB_CLK_A
EDA_A_AD [0-8]
EDA_A_DQ [0-15]
IC3801
MB81V4260S77
IC3802
M65501FP
IC3803
TLCX125FTEL
+3VD
+D2V
+3.3V
C3801 0.1/UFV
C3802 0.1/UFV
C3803 0.1/UFV
C3804 0.1/UFV
C3805 0.1/UFV
C3806 0.1/UFV
C3807 0.1/UFV
C3808 0.1/UFV
C3809 0.1/UFV
C3810 0.1/UFV
C3811 0.1/UFV
R3805 1000/J3
R3807 1000/J3
R3811 1000/J3
R3817 22/J3
R3818 22/J3
R3819 10K/J3
R3813 1000/J3
R3814 1000/J3
R3815 1000/J3
R3816 1000/J3
R3801 0/J3
R3802 0/J3
R3803 0/J3
R3804 0/J3
R3806 0/J3
R3808 22/J3
R3809 0/J3
R3810 0/J3
R3812 0/J3
R3820 PAT/J3
R3821 1000/J3
R3822 1000/J3
R3823 1000/J3
R3824 1000/J3
R3825 1000/J3
R3826 1000/J3
R3827 1000/J3
R3828 1000/J3
R3829 0/J3
R3830 0/J3
R3831 0/J3
R3832 0/J3
CP3801
CP3802
CP3803
CP3804
CP3805
CP3806
CP3807
CP3808
CP3809
CP3810
CP3811
CP3812
CP3813
CP3814
CP3815
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

Ref No. 3800 Series.

COMPONENT NAME	REC PB(EDA A)	11/12
CIRCUIT BOARD NO.	MODEL NO.	
VEP83427A	AJ-D95DC	
	SCM090	

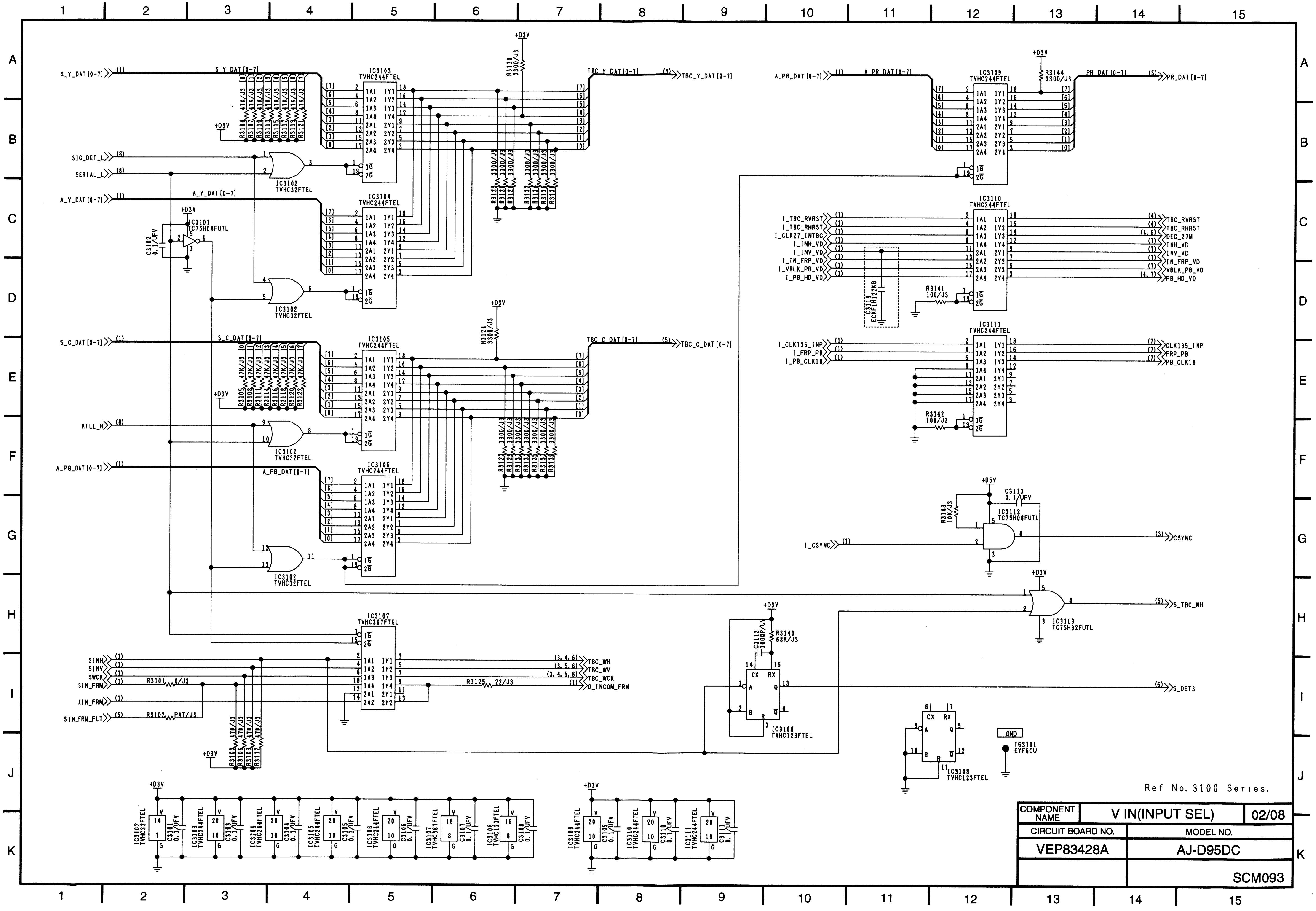

TDO_EDA_B
B_CONT[0-2]
EDA_SSP
EDA_B[0-3]
EDA_SMP_B
CLK18_B
REC_CLK_EDA
EDA_PB_DAT_B
EDA_PB_CLK_B
TDO_FORM2
EDA_PG
EDA_FG
RST_EDA
M16_ALE
M16_RD
M16_WR
M16_AD[0-15]
EDA_HID_B
EDA_HSE_B
EDA_B_AD[0-8]
EDA_B_DQ[0-15]
+3VD
+D2V
+3.3V
IC3852
M65501FP
IC3851
MB81V4260S7T
IC3803
TLCX125FTEL
C3851 0.1/UFV
C3852 0.1/UFV
C3853 0.1/UFV
C3854 0.1/UFV
C3855 0.1/UFV
C3856 0.1/UFV
C3857 0.1/UFV
C3858 0.1/UFV
C3859 0.1/UFV
C3860 0.1/UFV
R3851 0/J3
R3852 0/J3
R3853 0/J3
R3854 0/J3
R3855 1000/J3
R3856 0/J3
R3857 1000/J3
R3858 22/J3
R3859 0/J3
R3860 0/J3
R3861 1000/J3
R3862 0/J3
R3863 1000/J3
R3864 1000/J3
R3865 1000/J3
R3866 1000/J3
R3867 10K/J3
R3868 22/J3
R3869 22/J3
R3870 PAT/J3
R3871 PAT/J3
R3872 1000/J3
R3873 1000/J3
R3874 1000/J3
R3875 1000/J3
R3876 1000/J3
R3877 1000/J3
R3878 1000/J3
R3879 1000/J3
R3880 0/J3
R3881 0/J3
R3882 0/J3
R3883 0/J3
CP3851
CP3852
CP3853
CP3854
CP3855
CP3856
CP3857
CP3858
CP3859
CP3860
CP3861
CP3862
CP3863
CP3864
CP3865
CP3866
CP3867
CP3868
Ref No. 3850 Series.

COMPONENT NAME	REC PB(EDA B)	12/12
CIRCUIT BOARD NO.	MODEL NO.	
VEP83427A	AJ-D95DC	
	SCM091	


P3001
VJP4064Q160
A
NO
B
GND 1 81 GND
GND 2 82 GND
3 83
S Y DAT0 4 84 S C DAT0
S Y DAT1 5 85 S C DAT1
S Y DAT2 6 86 S C DAT2
S Y DAT3 7 87 S C DAT3
S Y DAT4 8 88 S C DAT4
S Y DAT5 9 89 S C DAT5
S Y DAT6 10 90 S C DAT6
S Y DAT7 11 91 S C DAT7
GND 12 92 GND
CC DAT0 13 93 A Y DAT0
CC DAT1 14 94 A Y DAT1
CC DAT2 15 95 A Y DAT2
CC DAT3 16 96 A Y DAT3
CC DAT4 17 97 A Y DAT4
CC DAT5 18 98 A Y DAT5
CC DAT6 19 99 A Y DAT6
CC DAT7 20 100 A Y DAT7
GND 21 101 GND
YC DAT0 22 102 A PB DAT0
YC DAT1 23 103 A PB DAT1
YC DAT2 24 104 A PB DAT2
YC DAT3 25 105 A PB DAT3
YC DAT4 26 106 A PB DAT4
YC DAT5 27 107 A PB DAT5
YC DAT6 28 108 A PB DAT6
YC DAT7 29 109 A PB DAT7
GND 30 110 GND
CLK27 INTBC 31 111 SINH
CLK135 INP 32 112 SINV
PB CLK18 33 113 SIN FRM
GND 34 114 SWCK
A PR DAT0 35 115 AV ADRS0
A PR DAT1 36 116 AV ADRS1
A PR DAT2 37 117 AV ADRS2
A PR DAT3 38 118 AV ADRS3
A PR DAT4 39 119 AV ADRS4
A PR DAT5 40 120 AV ADRS5
A PR DAT6 41 121 AV ADRS6
A PR DAT7 42 122 AV ADRS7
43 123 AV ADRS8
GND 44 124 GND
GND 45 125 GND
ADCK Y 46 126 AV IORD L
ADCK C 47 127 AV IOWR L
GND 48 128 AV RST L
AIN FRM 49 129 AV CS IN
CSYNC 50 130
51 131 AV DATA0
CCLP N 52 132 AV DATA1
YCLP N 53 133 AV DATA2
H2 54 134 AV DATA3
55 135 AV DATA4
TBC RVRST 56 136 AV DATA5
TBC RHRST 57 137 AV DATA6
INH VD 58 138 AV DATA7
INV VD 59 139 PIO IN1
IN FRP VD 60 140 PIO IN2
VBLK PB VD 61 141 PIO OUT1
PB HD VD 62 142 PIO OUT2
FRP PB 63 143 EE WEY
VBIEN VD 64 144 EE WEC
EE WH 65 145 EE WRST
INCOM FRM 66 146 EE TBC WCK
GND 67 147 GND
INCOM HD 68 148 EE WV
69 149
70 150
EE C DAT0 71 151 EE Y DAT0
EE C DAT1 72 152 EE Y DAT1
EE C DAT2 73 153 EE Y DAT2
EE C DAT3 74 154 EE Y DAT3
EE C DAT4 75 155 EE Y DAT4
EE C DAT5 76 156 EE Y DAT5
EE C DAT6 77 157 EE Y DAT6
EE C DAT7 78 158 EE Y DAT7
GND 79 159 GND
GND 80 160 GND
S_Y_DAT[0-7] (2)
CC_DAT[0-7] (6)
YC_DATA[0-7] (6)
I_CLK27_INTBC (2)
I_CLK135_INP (2)
I_PB_CLK18 (2)
A_PR_DAT[0-7] (2)
ADCK_Y (6)
ADCK_C (6)
AIN_FRM (2)
I_CSYNC (2)
CCLP_N (5)
YCLP_N (5)
H2 (6)
I_TBC_RVRST (2)
I_TBC_RHRST (2)
I_INH_VD (2)
I_INV_VD (2)
I_IN_FRP_VD (2)
I_VBLK_PB_VD (2)
I_PB_HD_VD (2)
I_FRP_PB (2)
VBIEN_VD (6)
EE_WH (6)
O_INCOM_FRM (2)
INCOM_HD (6)
EE_C_DAT[0-7] (6)
(2) S_C_DAT[0-7]
(2) A_Y_DAT[0-7]
(2) A_PB_DAT[0-7]
(2) SINH
(2) SINV
(2) SIN_FRM
(2) SWCK
(8) AV_ADRS[0-8]
(8) AV_IORD_L
(8) AV_IOWR_L
(8) AV_RST_L
(8) AV_CS_IN
(8) AV_DATA[0-7]
(8) PIO_IN1
(8) PIO_IN2
(8) PIO_OUT1
(8) PIO_OUT2
(6) EE_WEY_0
(6) EE_WEC_0
(6) EE_WRST
(6) EE_TBC_WCK
(6) EE_WV
(6) EE_Y_DAT[0-7]
P3002
VJS4168B008
+5.6V
-5.6V
+5V
+3.3V
FL3001
VLF1016A223T
FL3002
VLF1016A223T
FL3003
VLF1016A223T
IC3001
XC62FP5002PR
IC3002
XC62DN5002PL
C3001 0.1/UFV
C3002 0.1/UFV
C3003 0.1/UFV
C3004 0.1/UFV
C3005 0.1/UFV
C3006 0.1/UFV
C3007 0.1/UFV
C3008 16V10/EVV
C3009 16V10/EVV
C3010 16V10/EVV
C3011 6V33/EVV
C3012 6V33/EVV
+A5V
-A5V
+D5V
+3.3V
+D3V
L3001
VLP0133-T
D3001
MA736-TX
P3003
VJP3125D007
ISP_TCK 1
GND 2
ISP_TMS 3
GND 4
ISP_TDI 5
GND 6
ISP_TDO 7
R3009 10K/J3
R3010 10K/J3
R3011 10K/J3
R3004 0/J3
R3005 0/J3
R3006 0/J3
R3007 0/J3
(4) ISP_TCK
(4) ISP_TMS
(4) ISP_TDI
(4) ISP_TDO
TDO
TDI
TMS
TCK
TRST
CP3001 CP3002 CP3003 CP3004 CP3005
(7) TDO
(5) TDI
(5,7) B_CONT[0-2]
R3001 1000/J3
R3002 1000/J3
R3003 1000/J3
R3008 PA/J3
R3012 3300/J3
+D3V

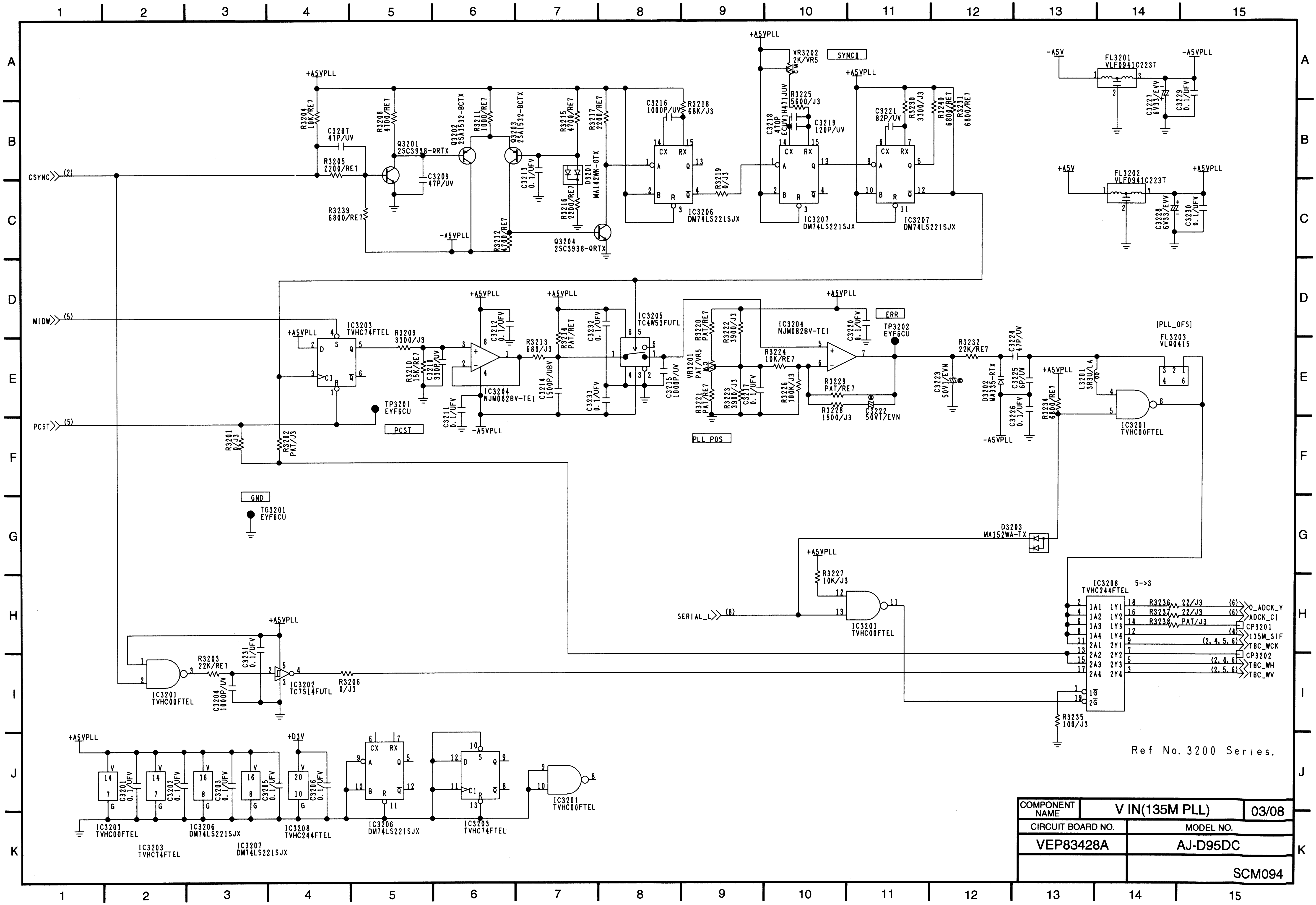
Ref No. 3000 Series.

COMPONENT NAME	V IN(CONNECT)	01/08
CIRCUIT BOARD NO.	MODEL NO.	
VEP83428A	AJ-D95DC	
	SCM092	

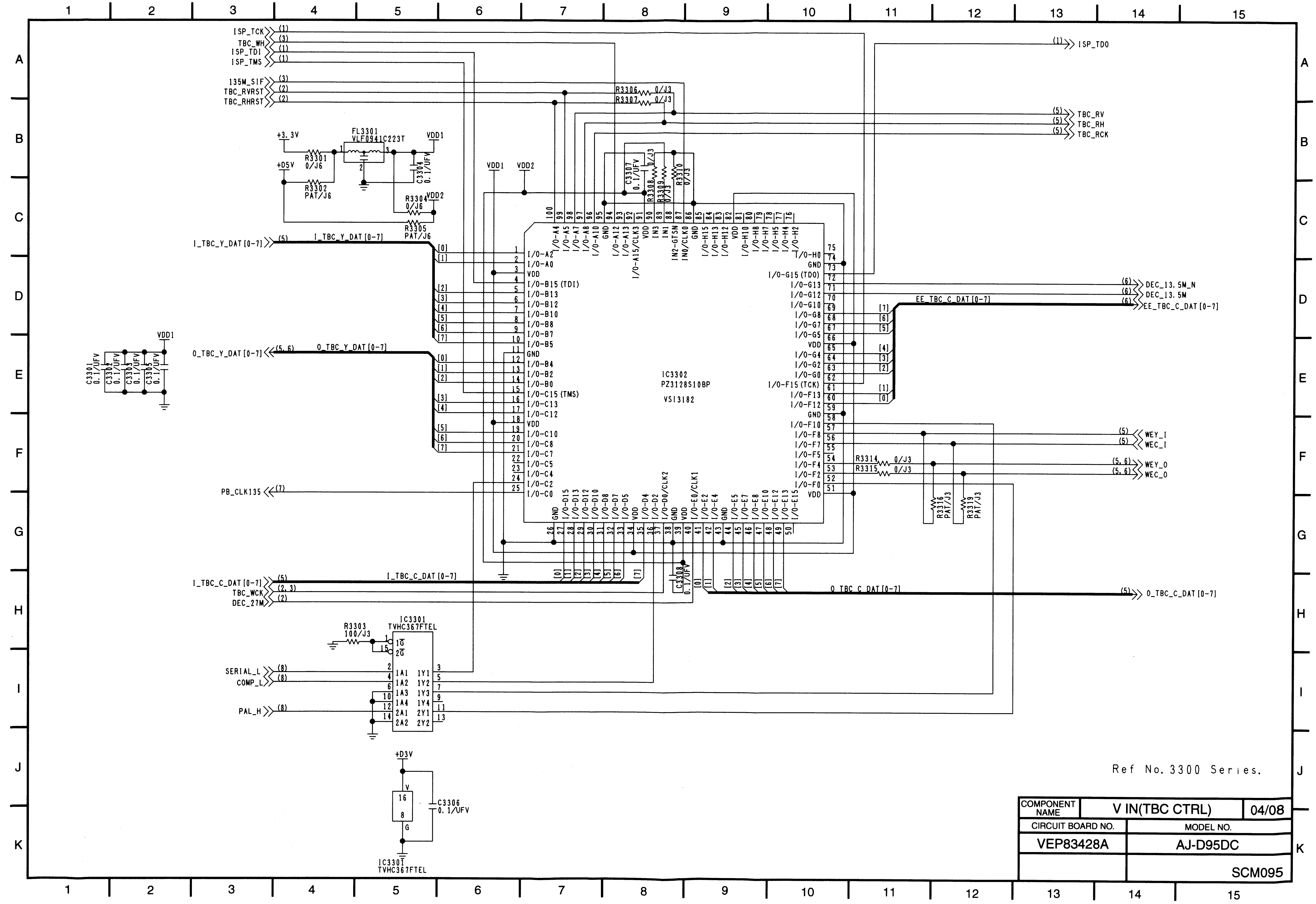

S_Y_DAT[0-7]
S_Y_DAT[0-7]
SIG_DET_L
SERIAL_L
A_Y_DAT[0-7]
S_C_DAT[0-7]
KILL_H
A_PB_DAT[0-7]
TBC_Y_DAT[0-7]
TBC_C_DAT[0-7]
A_PR_DAT[0-7]
PR_DAT[0-7]
IC3101 TC7SH04FUTL
IC3102 TVHC32FTEL
IC3103 TVHC244FTEL
IC3104 TVHC244FTEL
IC3105 TVHC244FTEL
IC3106 TVHC244FTEL
IC3107 TVHC367FTEL
IC3108 TVHC123FTEL
IC3109 TVHC244FTEL
IC3110 TVHC244FTEL
IC3111 TVHC244FTEL
IC3112 TC7SH08FUTL
IC3113 TC7SH32FUTL
C3102 0.1/UFV
C3112 1000P/UJ
C3113 0.1/UFV
C3114 ECKF1H122KB
R3124 3300/J3
R3130 3300/J3
R3144 3300/J3
R3140 68K/J3
R3141 100/J3
R3142 100/J3
R3143 10K/J3
R3101 0/J3
R3102 PAT/J3
R3125 22/J3
47K/J3
+D3V
+D5V
I_TBC_RVRST
I_TBC_RHRST
I_CLK27_INTBC
I_INH_VD
I_INV_VD
I_IN_FRP_VD
I_VBLK_PB_VD
I_PB_HD_VD
TBC_RVRST
TBC_RHRST
DEC_27M
INH_VD
INV_VD
IN_FRP_VD
VBLK_PB_VD
PB_HD_VD
I_CLK135_INP
I_FRP_PB
I_PB_CLK18
CLK135_INP
FRP_PB
PB_CLK18
I_CSYNC
CSYNC
S_TBC_WH
S_DET3
SINH
SINV
SWCK
SIN_FRM
AIN_FRM
SIN_FRM_FLT
TBC_WH
TBC_WV
TBC_WCK
O_INCOM_FRM
GND
TG3101 EYF6CU

Ref No. 3100 Series.

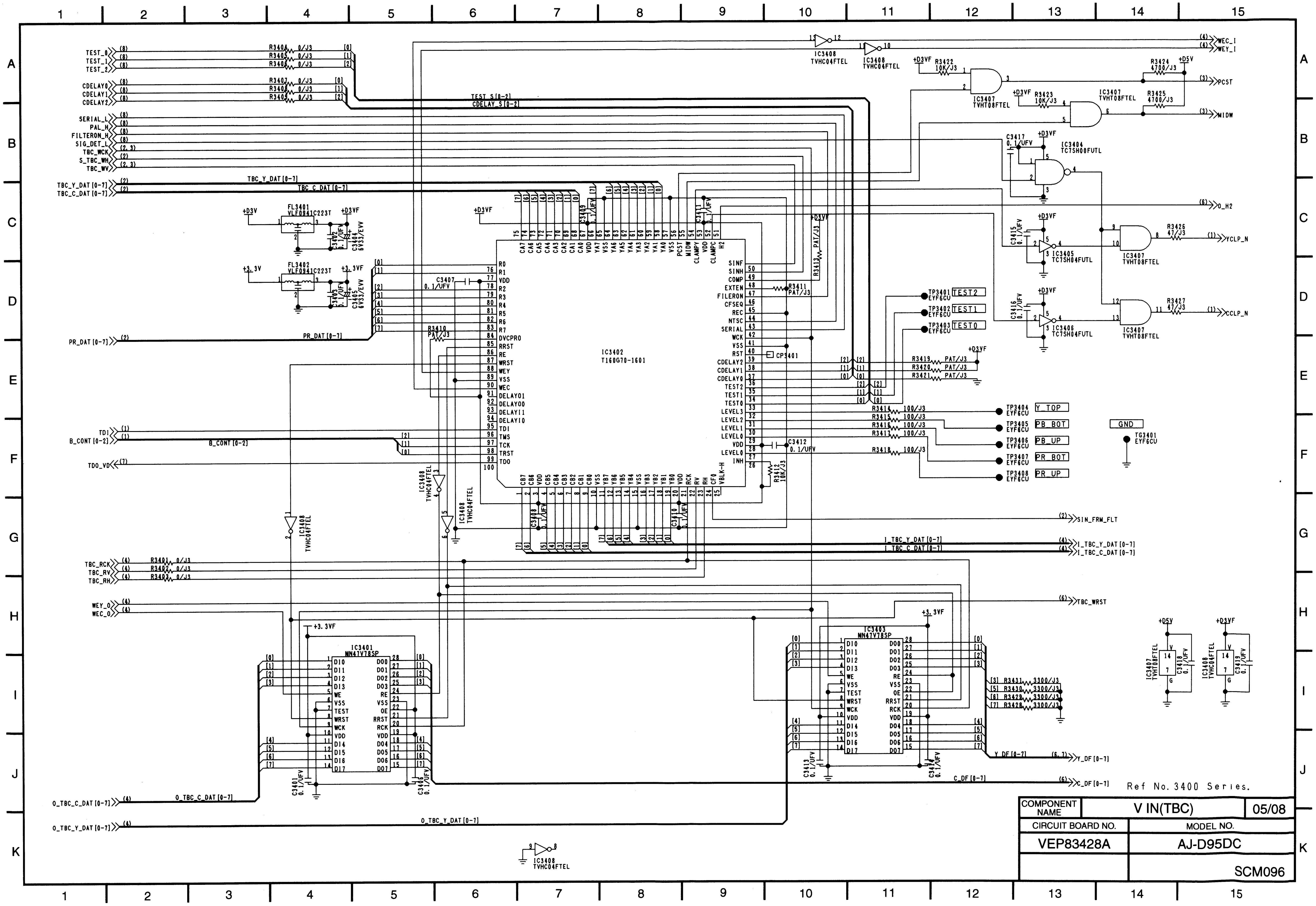
COMPONENT NAME	V IN(INPUT SEL)	02/08
CIRCUIT BOARD NO.	MODEL NO.	
VEP83428A	AJ-D95DC	
	SCM093	


CSYNC (2)
MIDW (5)
PCST (5)
SERIAL_L (8)
+A5VPLL
-A5VPLL
+A5V
-A5V
+D3V
SYNC0
ERR
PCST
PLL POS
GND
[PLL_OFS]
R3204 10K/RE7
C3207 47P/UV
R3205 2200/RE7
R3239 6800/RE7
R3208 4700/RE7
Q3201 2SC3938-QRTX
C3209 47P/UV
Q3202 2SA1532-BCTX
R3211 1000/RE7
Q3203 2SA1532-BCTX
C3213 0.1/UFV
R3212 4700/RE7
R3215 4700/RE7
R3216 2200/RE7
D3201 MA142WK-GTX
R3217 2200/RE7
Q3204 2SC3938-QRTX
C3216 1000P/UV
R3218 68K/J3
IC3206 DM74LS221SJX
R3219 0/J3
VR3202 2K/VR5
R3225 5600/J3
C3218 470P ECUV1H471JUV
C3219 120P/UV
IC3207 DM74LS221SJX
C3221 82P/UV
R3230 3300/J3
R3240 6800/RE7
R3231 6800/RE7
FL3201 VLF0941C223T
C3227 6V33/EVV
C3229 0.1/UFV
FL3202 VLF0941C223T
C3228 6V33/EVV
C3230 0.1/UFV
IC3203 TVHC74FTEL
R3209 3300/J3
R3210 15K/RE7
C3210 330P/UV
TP3201 EYF6CU
C3212 0.1/UFV
IC3204 NJM082BV-TE1
C3211 0.1/UFV
R3213 680/J3
C3214 1500P/UBV
R3214 PAT/RE7
C3232 0.1/UFV
C3233 0.1/UFV
IC3205 TC4W53FUTL
C3215 1000P/UV
R3220 PAT/RE7
VR3201 PAT/VR5
R3221 PAT/RE7
R3222 3900/J3
R3223 3900/J3
C3217 0.1/UFV
R3224 10K/RE7
R3226 100K/J3
R3229 PAT/RE7
R3228 1500/J3
C3222 50V1/EVN
C3220 0.1/UFV
TP3202 EYF6CU
R3232 22K/RE7
C3223 50V1/EVN
C3224 47P/UV
D3202 MA335-RTX
C3225 6P/UV
C3226 0.1/UFV
R3234 6800/RE7
L3201 3R3U/LA
FL3203 VLQ0415
IC3201 TVHC00FTEL
R3201 0/J3
R3202 PAT/J3
TG3201 EYF6CU
D3203 MA152WA-TX
R3227 10K/J3
IC3208 TVHC244FTEL
5->3
R3236 22/J3
R3237 22/J3
R3238 PAT/J3
R3235 100/J3
(6) O_ADCK_Y
(6) ADCK_CI
CP3201
(4) 135M_SIF
(2,4,5,6) TBC_WCK
CP3202
(2,4,6) TBC_WH
(2,5,6) TBC_WV
R3203 22K/RE7
C3231 0.1/UFV
C3204 1000P/UV
IC3202 TC7S14FUTL
R3206 0/J3
C3201 0.1/UFV
C3202 0.1/UFV
C3203 0.1/UFV
C3205 0.1/UFV
C3206 0.1/UFV
IC3201 TVHC00FTEL
IC3203 TVHC74FTEL
IC3206 DM74LS221SJX
IC3207 DM74LS221SJX
IC3208 TVHC244FTEL
IC3206 DM74LS221SJX
IC3203 TVHC74FTEL
IC3201 TVHC00FTEL
Ref No. 3200 Series.

COMPONENT NAME	V IN(135M PLL)	03/08
CIRCUIT BOARD NO.	MODEL NO.	
VEP83428A	AJ-D95DC	
	SCM094	

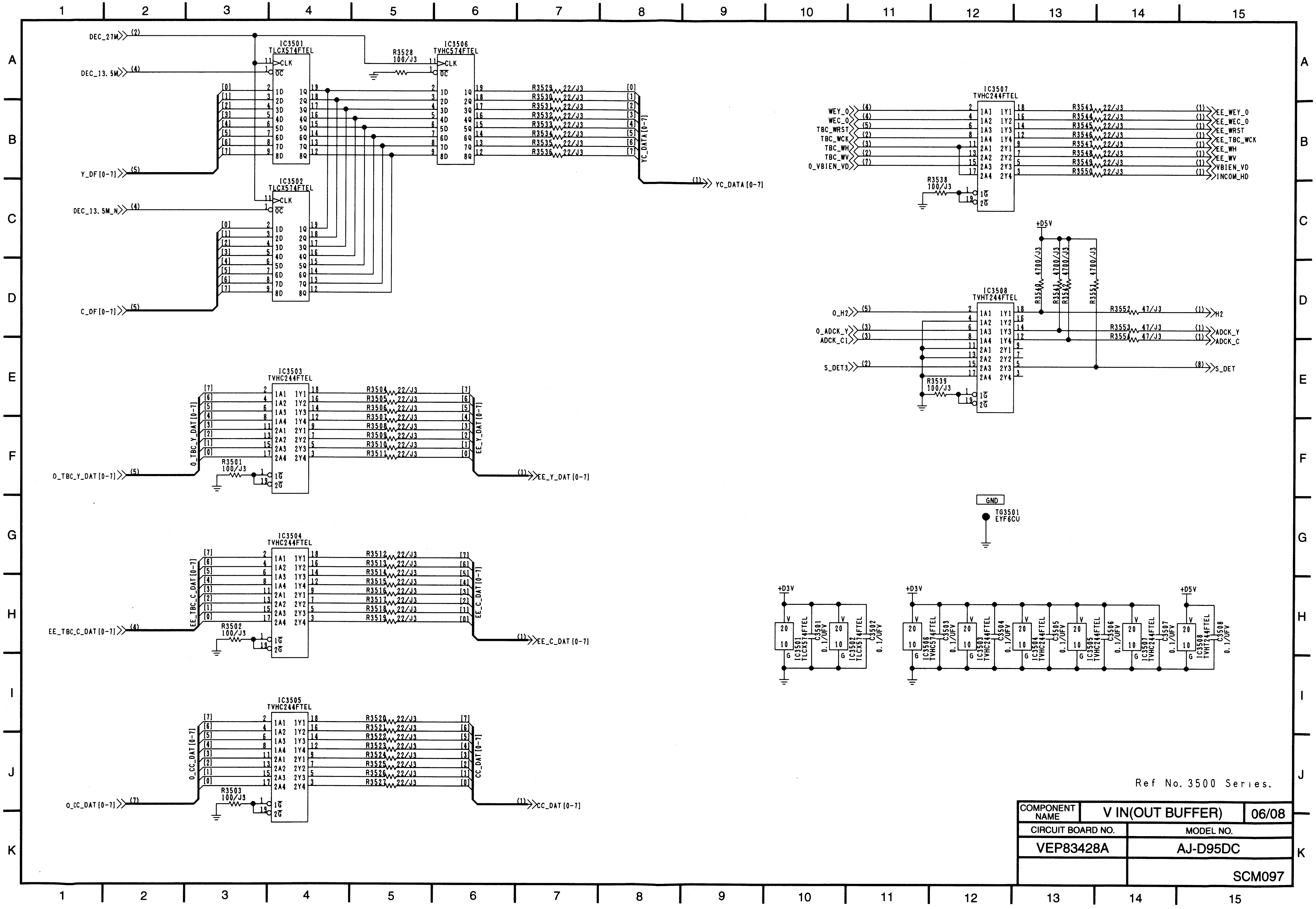

ISP_TCK
TBC_WH
ISP_TDI
ISP_TMS
135M_SIF
TBC_RVRST
TBC_RHRST
ISP_TDO
TBC_RV
TBC_RH
TBC_RCK
R3306 0/J3
R3307 0/J3
+3.3V
+D5V
FL3301 VLF0941C223T
R3301 0/J6
R3302 PAT/J6
C3304 0.1/UFV
VDD1
VDD2
R3304 0/J6
R3305 PAT/J6
C3307 0.1/UFV
R3308 0/J3
R3309 0/J3
R3310 0/J3
I_TBC_Y_DAT[0-7]
O_TBC_Y_DAT[0-7]
C3301 0.1/UFV
C3302 0.1/UFV
C3303 0.1/UFV
C3305 0.1/UFV
IC3302
PZ3128S10BP
VS13182
I/O-A2
I/O-A0
VDD
I/O-B15(TDI)
I/O-B13
I/O-B12
I/O-B10
I/O-B8
I/O-B7
I/O-B5
GND
I/O-B4
I/O-B2
I/O-B0
I/O-C15(TMS)
I/O-C13
I/O-C12
I/O-C10
I/O-C8
I/O-C7
I/O-C5
I/O-C4
I/O-C2
I/O-C0
I/O-H0
I/O-G15(TDO)
I/O-G13
I/O-G12
I/O-G10
I/O-G8
I/O-G7
I/O-G5
I/O-G4
I/O-G2
I/O-G0
I/O-F15(TCK)
I/O-F13
I/O-F12
I/O-F10
I/O-F8
I/O-F7
I/O-F5
I/O-F4
I/O-F2
I/O-F0
I/O-A4
I/O-A5
I/O-A7
I/O-A8
I/O-A10
I/O-A12
I/O-A13
I/O-A15/CLK3
IN3
IN1
IN2-GTSN
IN0/CLK0
I/O-H15
I/O-H13
I/O-H12
I/O-H10
I/O-H8
I/O-H7
I/O-H5
I/O-H4
I/O-H2
I/O-D15
I/O-D13
I/O-D12
I/O-D10
I/O-D8
I/O-D7
I/O-D5
I/O-D4
I/O-D2
I/O-D0/CLK2
I/O-E0/CLK1
I/O-E2
I/O-E4
I/O-E5
I/O-E7
I/O-E8
I/O-E10
I/O-E12
I/O-E13
I/O-E15
DEC_13.5M_N
DEC_13.5M
EE_TBC_C_DAT[0-7]
WEY_I
WEC_I
WEY_O
WEC_O
R3314 0/J3
R3315 0/J3
R3316 PAT/J3
R3319 PAT/J3
PB_CLK135
I_TBC_C_DAT[0-7]
TBC_WCK
DEC_27M
C3308 0.1/UFV
O_TBC_C_DAT[0-7]
IC3301 TVHC367FTEL
R3303 100/J3
SERIAL_L
COMP_L
PAL_H
1G
2G
1A1
1A2
1A3
1A4
2A1
2A2
1Y1
1Y2
1Y3
1Y4
2Y1
2Y2
+D3V
C3306 0.1/UFV
Ref No. 3300 Series.

COMPONENT NAME	V IN(TBC CTRL)	04/08
CIRCUIT BOARD NO.	MODEL NO.	
VEP83428A	AJ-D95DC	
	SCM095	


IC3402
T160G70-1601
IC3401
MN47V78SP
IC3403
MN47V78SP
IC3404
TC7SH00FUTL
IC3405
TC7SH04FUTL
IC3406
TC7SH04FUTL
IC3407
TVHT08FTEL
IC3408
TVHC04FTEL
FL3401
VLF0941C223T
FL3402
VLF0941C223T
TEST_0
TEST_1
TEST_2
CDELAY0
CDELAY1
CDELAY2
SERIAL_L
PAL_H
FILTERON_H
SIG_DET_L
TBC_WCK
S_TBC_WH
TBC_WV
TBC_Y_DAT[0-7]
TBC_C_DAT[0-7]
PR_DAT[0-7]
TDI
B_CONT[0-2]
TDO_VD
TBC_RCK
TBC_RV
TBC_RH
WEY_O
WEC_O
O_TBC_C_DAT[0-7]
O_TBC_Y_DAT[0-7]
WEC_I
WEY_I
PCST
MIDW
O_H2
YCLP_N
CCLP_N
SIN_FRM_FLT
I_TBC_Y_DAT[0-7]
I_TBC_C_DAT[0-7]
TBC_WRST
Y_DF[0-7]
C_DF[0-7]
TP3401 TEST2
TP3402 TEST1
TP3403 TEST0
TP3404 Y TOP
TP3405 PB BOT
TP3406 PB UP
TP3407 PR BOT
TP3408 PR UP
GND
TG3401
+D3V
+D3VF
+3.3V
+3.3VF
+D5V
CP3401

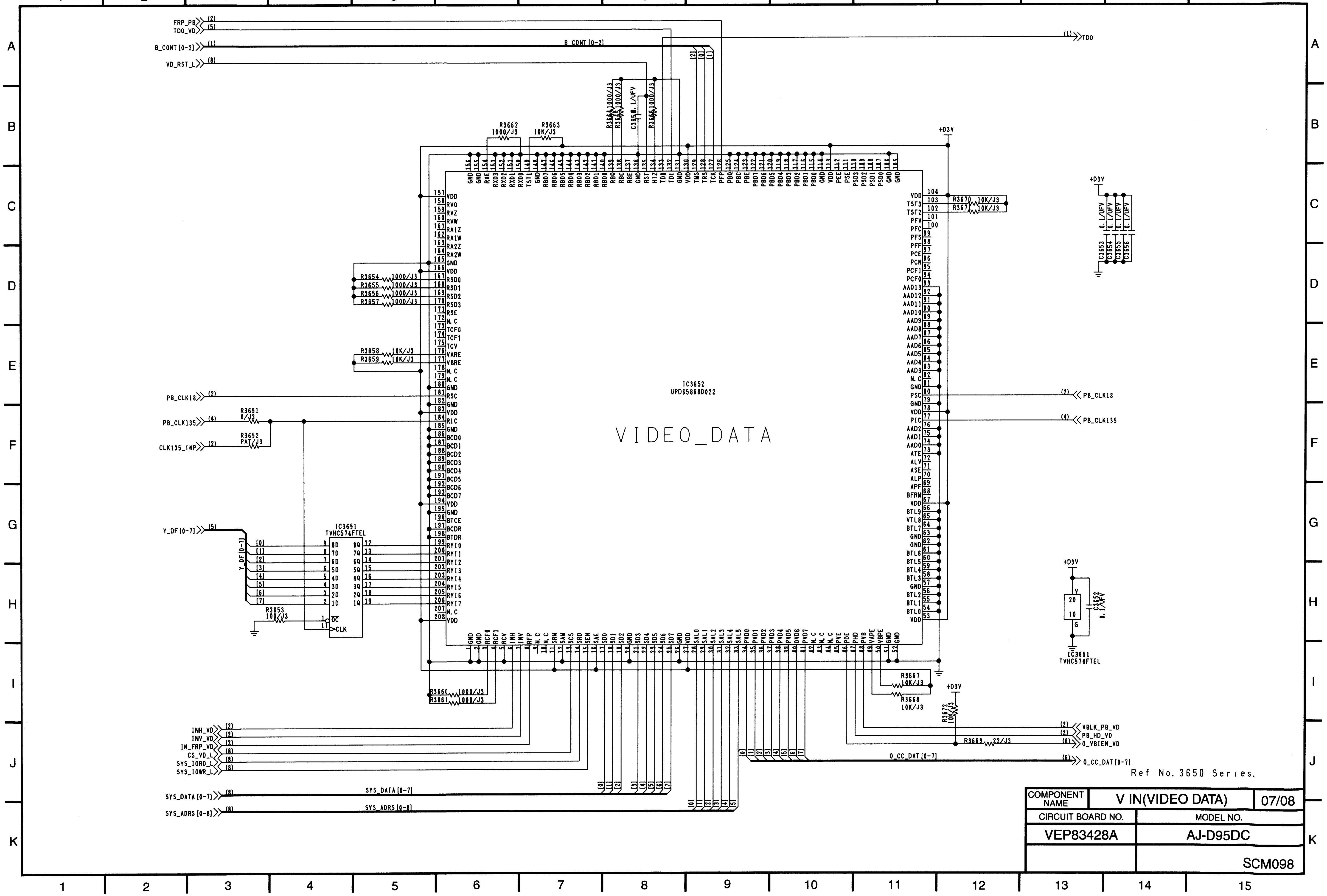
Ref No. 3400 Series.

COMPONENT NAME	V IN(TBC)	05/08
CIRCUIT BOARD NO.	MODEL NO.	
VEP83428A	AJ-D95DC	
	SCM096	


IC3501 TLCX574FTEL
IC3502 TLCX574FTEL
IC3506 TVHC574FTEL
IC3503 TVHC244FTEL
IC3504 TVHC244FTEL
IC3505 TVHC244FTEL
IC3507 TVHC244FTEL
IC3508 TVHT244FTEL
DEC_27M
DEC_13.5M
DEC_13.5M_N
Y_DF[0-7]
C_DF[0-7]
R3528 100/J3
R3529–R3536 22/J3
YC_DATA[0-7]
O_TBC_Y_DAT[0-7]
EE_Y_DAT[0-7]
R3501 100/J3
R3504–R3511 22/J3
EE_TBC_C_DAT[0-7]
EE_C_DAT[0-7]
R3502 100/J3
R3512–R3519 22/J3
O_CC_DAT[0-7]
CC_DAT[0-7]
R3503 100/J3
R3520–R3527 22/J3
WEY_O
WEC_O
TBC_WRST
TBC_WCK
TBC_WH
TBC_WV
O_VBIEN_VD
EE_WEY_O
EE_WEC_O
EE_WRST
EE_TBC_WCK
EE_WH
EE_WV
VBIEN_VD
INCOM_HD
R3538 100/J3
R3543–R3550 22/J3
+D5V
R3540 R3541 R3542 R3551 4700/J3
O_H2
O_ADCK_Y
ADCK_C1
S_DET3
H2
ADCK_Y
ADCK_C
S_DET
R3552 47/J3
R3553 47/J3
R3554 47/J3
R3539 100/J3
GND
TG3501 EYF6CU
+D3V
C3501–C3508 0.1/UFV

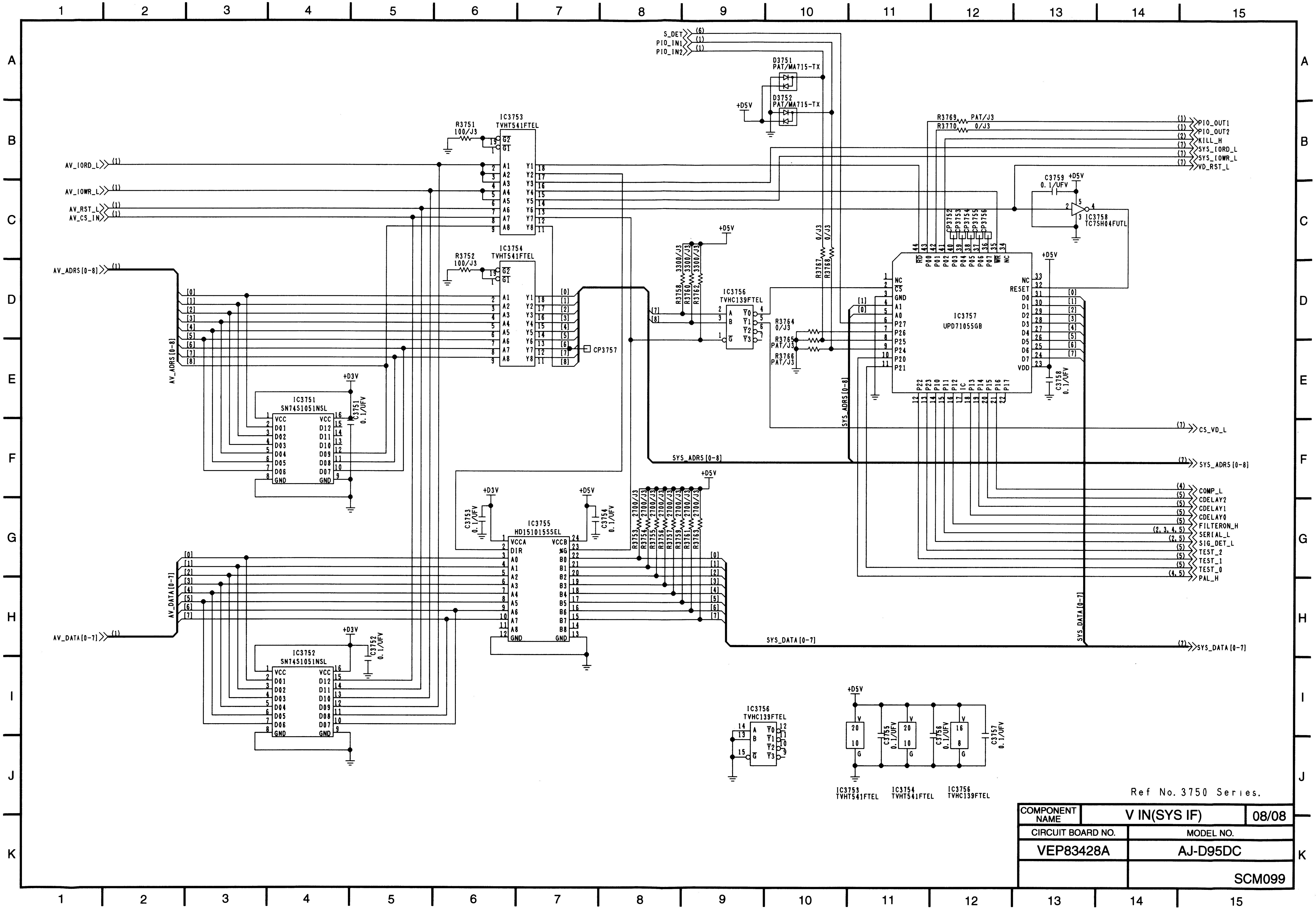
Ref No. 3500 Series.

COMPONENT NAME	V IN(OUT BUFFER)	06/08
CIRCUIT BOARD NO.	MODEL NO.	
VEP83428A	AJ-D95DC	
	SCM097	


VIDEO_DATA
IC3652
UPD65868D022
IC3651
TVHC574FTEL
FRP_PB
TDO_VD
B_CONT [0-2]
VD_RST_L
TDO
+D3V
R3662 1000/J3
R3663 10K/J3
R3664 1000/J3
R3665 1000/J3
C3650 0.1/UFV
R3666 1000/J3
R3670 10K/J3
R3671 10K/J3
C3653
C3654
C3655
C3656
0.1/UFV
R3654 1000/J3
R3655 1000/J3
R3656 1000/J3
R3657 1000/J3
R3658 10K/J3
R3659 10K/J3
PB_CLK18
PB_CLK135
R3651 0/J3
R3652 PAT/J3
CLK135_INP
Y_DF [0-7]
R3653 100/J3
C3652 0.1/UFV
R3660 1000/J3
R3661 1000/J3
R3667 10K/J3
R3668 10K/J3
R3672 10K/J3
R3669 22/J3
INH_VD
INV_VD
IN_FRP_VD
CS_VD_L
SYS_IORD_L
SYS_IOWR_L
SYS_DATA [0-7]
SYS_ADRS [0-8]
VBLK_PB_VD
PB_HD_VD
O_VBIEN_VD
O_CC_DAT [0-7]

Ref No. 3650 Series.

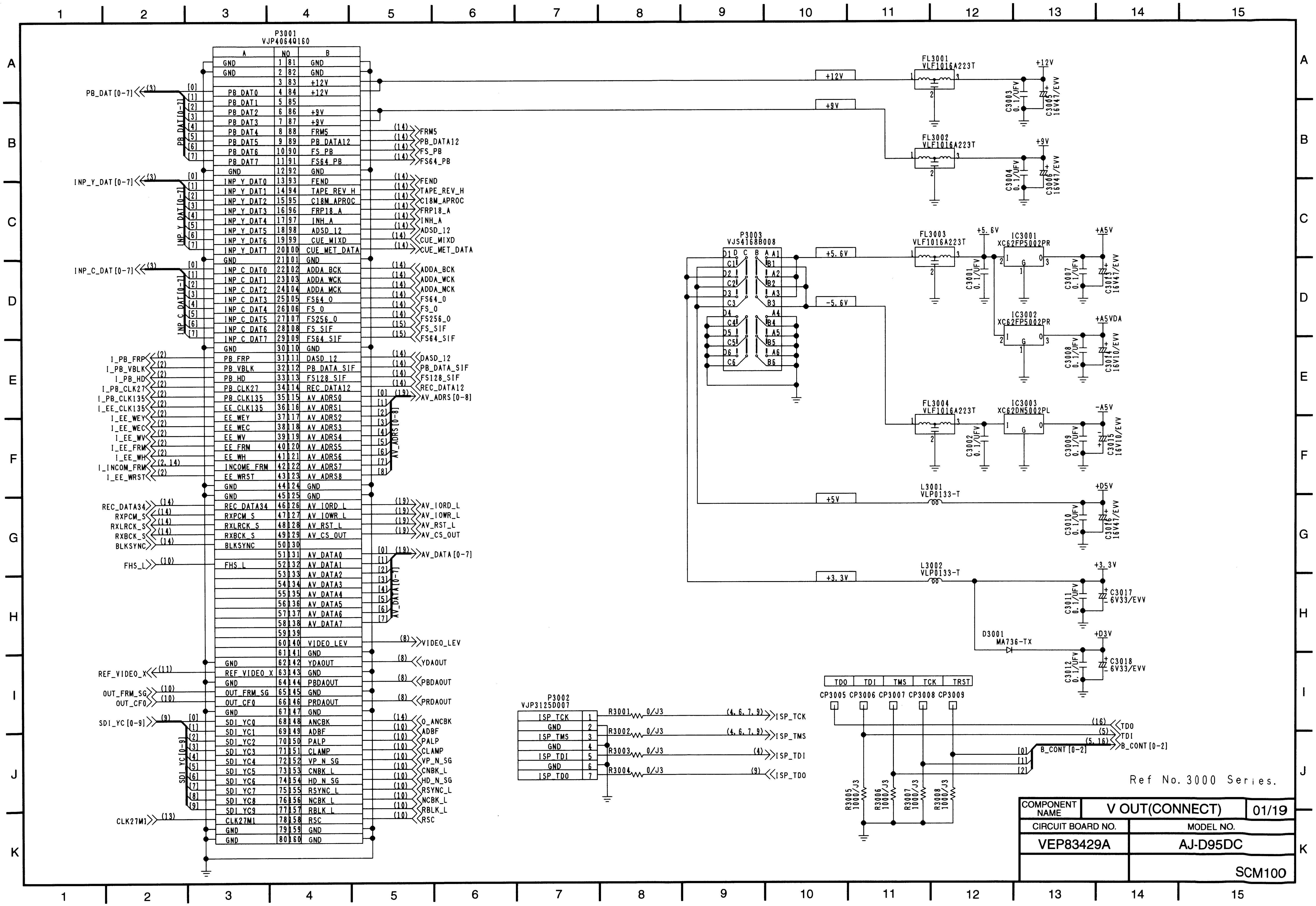
COMPONENT NAME	V IN(VIDEO DATA)	07/08
CIRCUIT BOARD NO.	MODEL NO.	
VEP83428A	AJ-D95DC	
	SCM098	



S_DET
PIO_IN1
PIO_IN2
D3751 PAT/MA715-TX
D3752 PAT/MA715-TX
+D5V
R3751 100/J3
IC3753 TVHT541FTEL
AV_IORD_L
AV_IOWR_L
AV_RST_L
AV_CS_IN
R3752 100/J3
IC3754 TVHT541FTEL
AV_ADRS[0-8]
CP3757
IC3751 SN74S1051NSL
C3751 0.1/UFV
+D3V
R3758 3300/J3
R3760 3300/J3
R3762 3300/J3
IC3756 TVHC139FTEL
R3764 0/J3
R3765 PAT/J3
R3766 PAT/J3
R3767 0/J3
R3768 0/J3
R3769 PAT/J3
R3770 0/J3
CP3752
CP3753
CP3754
CP3755
CP3756
IC3757 UPD71055GB
C3759 0.1/UFV
IC3758 TC7SH04FUTL
C3758 0.1/UFV
PIO_OUT1
PIO_OUT2
KILL_H
SYS_IORD_L
SYS_IOWR_L
VD_RST_L
CS_VD_L
SYS_ADRS[0-8]
COMP_L
CDELAY2
CDELAY1
CDELAY0
FILTERON_H
SERIAL_L
SIG_DET_L
TEST_2
TEST_1
TEST_0
PAL_H
IC3755 HD151015SSEL
C3753 0.1/UFV
C3754 0.1/UFV
R3753 2700/J3
R3754 2700/J3
R3755 2700/J3
R3756 2700/J3
R3757 2700/J3
R3759 2700/J3
R3761 2700/J3
R3763 2700/J3
AV_DATA[0-7]
SYS_DATA[0-7]
IC3752 SN74S1051NSL
C3752 0.1/UFV
C3755 0.1/UFV
C3756 0.1/UFV
C3757 0.1/UFV
IC3753 TVHT541FTEL
IC3754 TVHT541FTEL
IC3756 TVHC139FTEL

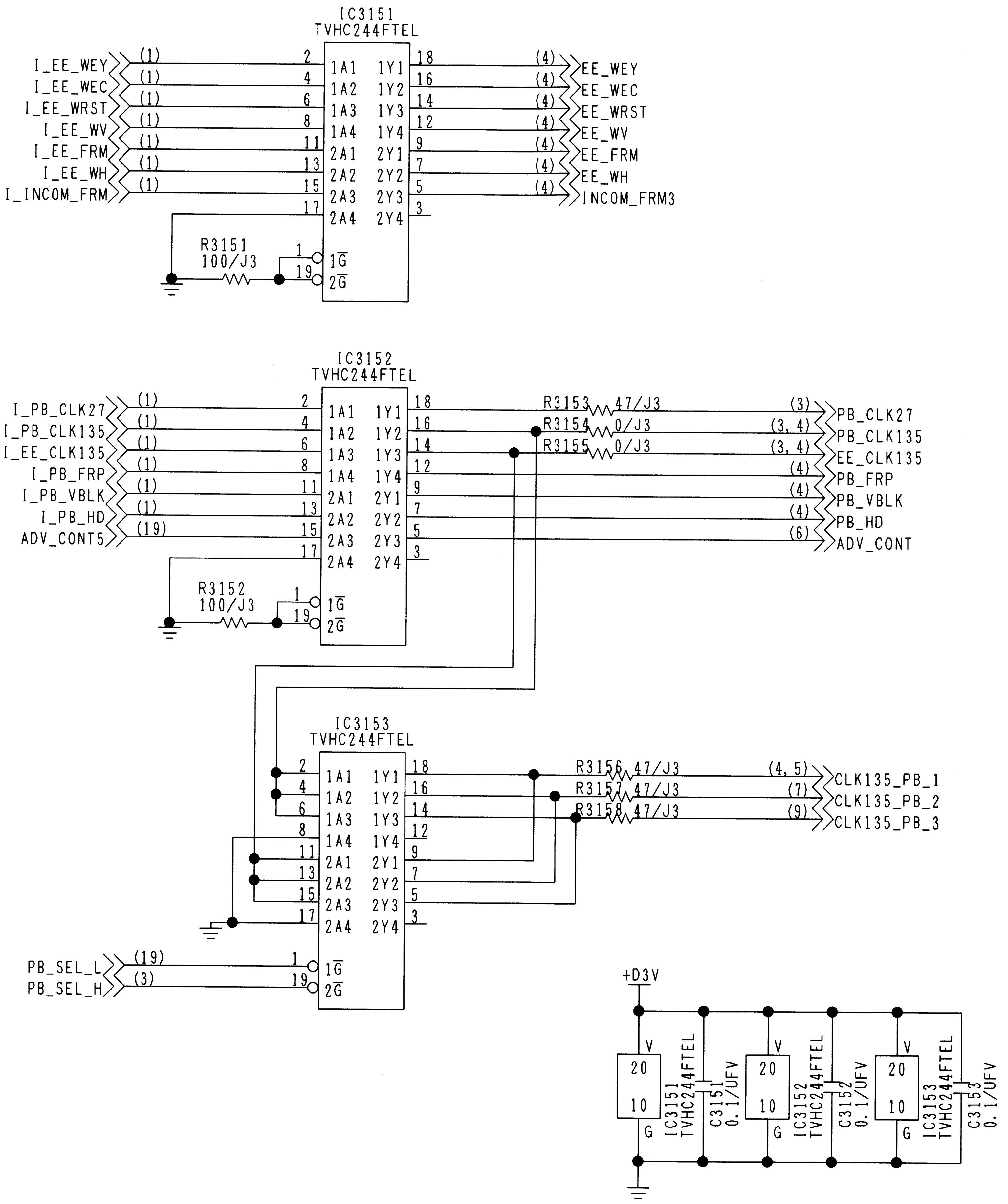
Ref No. 3750 Series.

COMPONENT NAME	V IN(SYS IF)		08/08
CIRCUIT BOARD NO.		MODEL NO.	
VEP83428A		AJ-D95DC	
		SCM099	


P3001
VJP40640160
A NO B
GND 1 81 GND
GND 2 82 GND
3 83 +12V
PB_DAT0 4 84 +12V
PB_DAT1 5 85
PB_DAT2 6 86 +9V
PB_DAT3 7 87 +9V
PB_DAT4 8 88 FRM5
PB_DAT5 9 89 PB_DATA12
PB_DAT6 10 90 FS_PB
PB_DAT7 11 91 FS64_PB
GND 12 92 GND
INP_Y_DAT0 13 93 FEND
INP_Y_DAT1 14 94 TAPE_REV_H
INP_Y_DAT2 15 95 C18M_APROC
INP_Y_DAT3 16 96 FRP18_A
INP_Y_DAT4 17 97 INH_A
INP_Y_DAT5 18 98 ADSD_12
INP_Y_DAT6 19 99 CUE_MIXD
INP_Y_DAT7 20 100 CUE_MET_DATA
GND 21 101 GND
INP_C_DAT0 22 102 ADDA_BCK
INP_C_DAT1 23 103 ADDA_WCK
INP_C_DAT2 24 104 ADDA_MCK
INP_C_DAT3 25 105 FS64_0
INP_C_DAT4 26 106 FS_0
INP_C_DAT5 27 107 FS256_0
INP_C_DAT6 28 108 FS_SIF
INP_C_DAT7 29 109 FS64_SIF
GND 30 110 GND
PB_FRP 31 111 DASD_12
PB_VBLK 32 112 PB_DATA_SIF
PB_HD 33 113 FS128_SIF
PB_CLK27 34 114 REC_DATA12
PB_CLK135 35 115 AV_ADRS0
EE_CLK135 36 116 AV_ADRS1
EE_WEY 37 117 AV_ADRS2
EE_WEC 38 118 AV_ADRS3
EE_WV 39 119 AV_ADRS4
EE_FRM 40 120 AV_ADRS5
EE_WH 41 121 AV_ADRS6
INCOME_FRM 42 122 AV_ADRS7
EE_WRST 43 123 AV_ADRS8
GND 44 124 GND
GND 45 125 GND
REC_DATA34 46 126 AV_IORD_L
RXPCM_S 47 127 AV_IOWR_L
RXLRCK_S 48 128 AV_RST_L
RXBCK_S 49 129 AV_CS_OUT
BLKSYNC 50 130
51 131 AV_DATA0
FHS_L 52 132 AV_DATA1
53 133 AV_DATA2
54 134 AV_DATA3
55 135 AV_DATA4
56 136 AV_DATA5
57 137 AV_DATA6
58 138 AV_DATA7
59 139
60 140 VIDEO_LEV
61 141 GND
GND 62 142 YDAOUT
REF_VIDEO_X 63 143 GND
GND 64 144 PBDAOUT
OUT_FRM_SG 65 145 GND
OUT_CF0 66 146 PRDAOUT
GND 67 147 GND
SDI_YC0 68 148 ANCBK
SDI_YC1 69 149 ADBF
SDI_YC2 70 150 PALP
SDI_YC3 71 151 CLAMP
SDI_YC4 72 152 VP_N_SG
SDI_YC5 73 153 CNBK_L
SDI_YC6 74 154 HD_N_SG
SDI_YC7 75 155 RSYNC_L
SDI_YC8 76 156 NCBK_L
SDI_YC9 77 157 RBLK_L
CLK27M1 78 158 RSC
GND 79 159 GND
GND 80 160 GND
PB_DAT[0-7] (3)
PB_DAT[0-7]
INP_Y_DAT[0-7] (3)
INP_Y_DAT[0-7]
INP_C_DAT[0-7] (3)
INP_C_DAT[0-7]
I_PB_FRP (2)
I_PB_VBLK (2)
I_PB_HD (2)
I_PB_CLK27 (2)
I_PB_CLK135 (2)
I_EE_CLK135 (2)
I_EE_WEY (2)
I_EE_WEC (2)
I_EE_WV (2)
I_EE_FRM (2)
I_EE_WH (2, 14)
I_INCOM_FRM (2)
I_EE_WRST (2)
REC_DATA34 (14)
RXPCM_S (14)
RXLRCK_S (14)
RXBCK_S (14)
BLKSYNC (14)
FHS_L (10)
REF_VIDEO_X (11)
OUT_FRM_SG (10)
OUT_CF0 (10)
SDI_YC[0-9] (9)
SDI_YC[0-9]
CLK27M1 (13)
(14) FRM5
(14) PB_DATA12
(14) FS_PB
(14) FS64_PB
(14) FEND
(14) TAPE_REV_H
(14) C18M_APROC
(14) FRP18_A
(14) INH_A
(14) ADSD_12
(14) CUE_MIXD
(14) CUE_MET_DATA
(14) ADDA_BCK
(14) ADDA_WCK
(14) ADDA_MCK
(14) FS64_0
(14) FS_0
(14) FS256_0
(15) FS_SIF
(15) FS64_SIF
(14) DASD_12
(14) PB_DATA_SIF
(14) FS128_SIF
(14) REC_DATA12
(19) AV_ADRS[0-8]
AV_ADRS[0-8]
(19) AV_IORD_L
(19) AV_IOWR_L
(19) AV_RST_L
(19) AV_CS_OUT
(19) AV_DATA[0-7]
AV_DATA[0-7]
(8) VIDEO_LEV
(8) YDAOUT
(8) PBDAOUT
(8) PRDAOUT
(14) O_ANCBK
(10) ADBF
(10) PALP
(10) CLAMP
(10) VP_N_SG
(10) CNBK_L
(10) HD_N_SG
(10) RSYNC_L
(10) NCBK_L
(10) RBLK_L
(10) RSC
+12V
+9V
FL3001
VLF1016A223T
C3003 0.1/UFV
C3005 16V47/EVV
+12V
FL3002
VLF1016A223T
C3004 0.1/UFV
C3006 16V47/EVV
+9V
P3003
VJS4168B008
D1 D C B A A1 C1 B1 D2 A2 C2 B2 D3 A3 C3 B3 D4 A4 C4 B4 D5 A5 C5 B5 D6 A6 C6 B6
+5.6V
-5.6V
FL3003
VLF1016A223T
+5.6V
C3001 0.1/UFV
IC3001
XC62FP5002PR
C3007 0.1/UFV
C3013 16V47/EVV
+A5V
IC3002
XC62FP5002PR
C3008 0.1/UFV
C3014 16V10/EVV
+A5VDA
FL3004
VLF1016A223T
C3002 0.1/UFV
IC3003
XC62DN5002PL
C3009 0.1/UFV
C3015 16V10/EVV
-A5V
+5V
L3001
VLP0133-T
C3010 0.1/UFV
C3016 16V47/EVV
+D5V
+3.3V
L3002
VLP0133-T
C3011 0.1/UFV
C3017 6V33/EVV
+3.3V
D3001
MA736-TX
C3012 0.1/UFV
C3018 6V33/EVV
+D3V
P3002
VJP3125D007
ISP_TCK 1
GND 2
ISP_TMS 3
GND 4
ISP_TDI 5
GND 6
ISP_TDO 7
R3001 0/J3 (4, 6, 7, 9) ISP_TCK
R3002 0/J3 (4, 6, 7, 9) ISP_TMS
R3003 0/J3 (4) ISP_TDI
R3004 0/J3 (9) ISP_TDO
TDO TDI TMS TCK TRST
CP3005 CP3006 CP3007 CP3008 CP3009
(16) TDO
(5) TDI
(5, 16) B_CONT[0-2]
B_CONT[0-2]
[0] [1] [2]
R3005 1000/J3
R3006 1000/J3
R3007 1000/J3
R3008 1000/J3
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

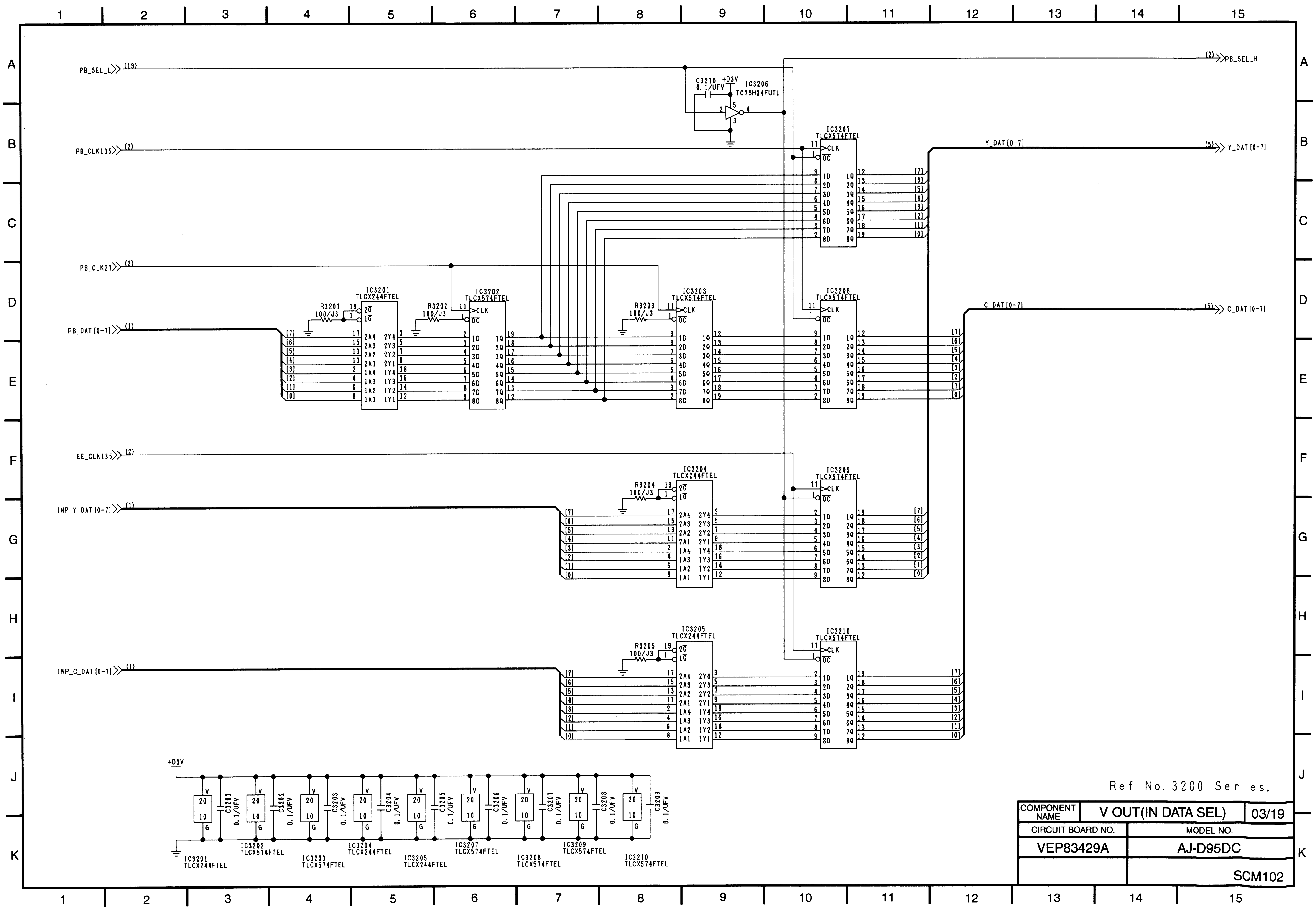
Ref No. 3000 Series.

COMPONENT NAME	V OUT(CONNECT)	01/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM100	


IC3151
TVHC244FTEL
I_EE_WEY
I_EE_WEC
I_EE_WRST
I_EE_WV
I_EE_FRM
I_EE_WH
I_INCOM_FRM
(1)
1A1 1Y1
1A2 1Y2
1A3 1Y3
1A4 1Y4
2A1 2Y1
2A2 2Y2
2A3 2Y3
2A4 2Y4
1G
2G
R3151
100/J3
(4)
EE_WEY
EE_WEC
EE_WRST
EE_WV
EE_FRM
EE_WH
INCOM_FRM3
IC3152
TVHC244FTEL
I_PB_CLK27
I_PB_CLK135
I_EE_CLK135
I_PB_FRP
I_PB_VBLK
I_PB_HD
ADV_CONT5
(19)
R3152
100/J3
R3153 47/J3
R3154 0/J3
R3155 0/J3
(3)
(3, 4)
(6)
PB_CLK27
PB_CLK135
EE_CLK135
PB_FRP
PB_VBLK
PB_HD
ADV_CONT
IC3153
TVHC244FTEL
PB_SEL_L
PB_SEL_H
R3156 47/J3
R3157 47/J3
R3158 47/J3
(4, 5)
(7)
(9)
CLK135_PB_1
CLK135_PB_2
CLK135_PB_3
+D3V
V
20
10
G
IC3151 TVHC244FTEL
C3151 0.1/UFV
IC3152 TVHC244FTEL
C3152 0.1/UFV
IC3153 TVHC244FTEL
C3153 0.1/UFV

Ref No. 3150 Series.

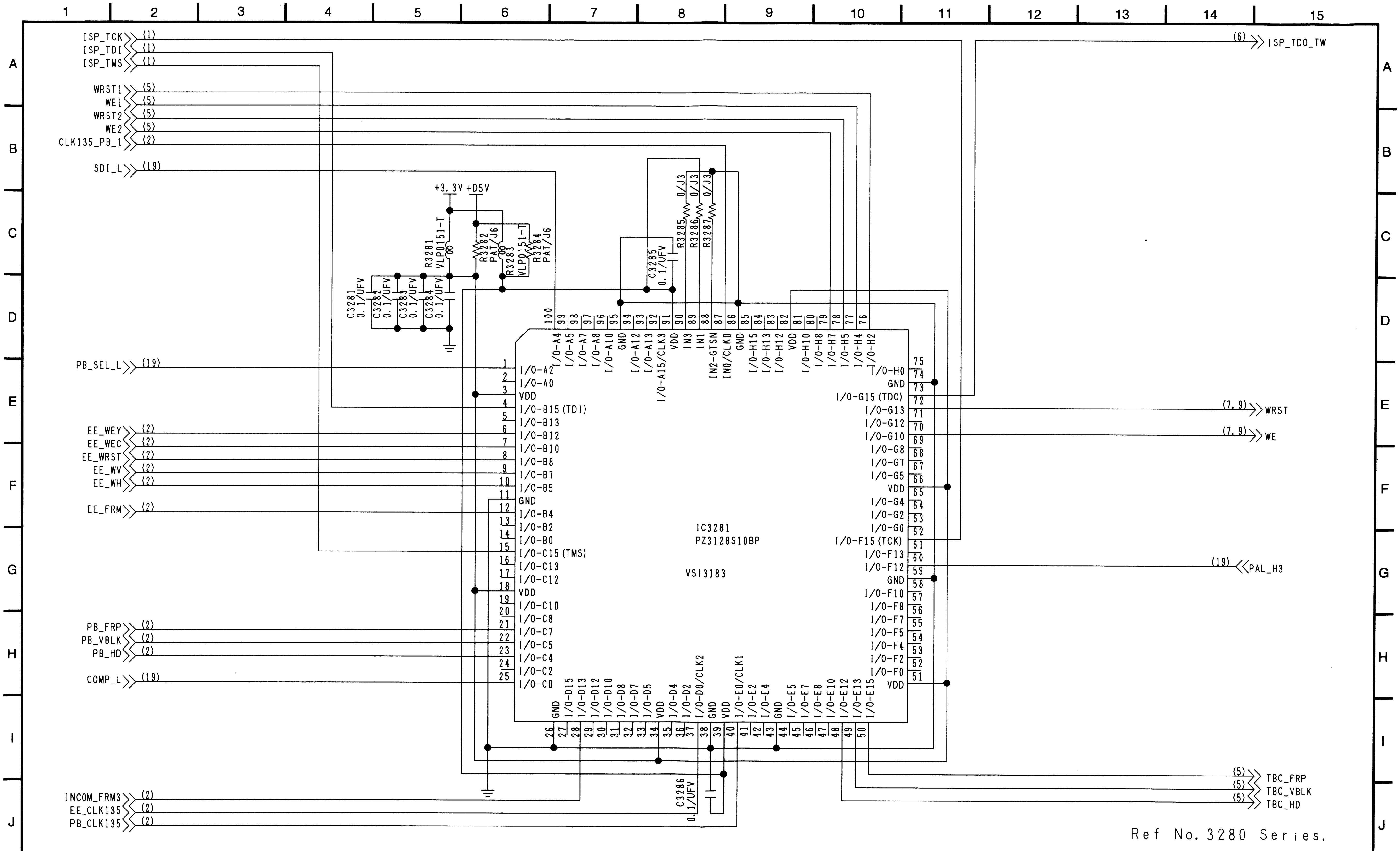
COMPONENT NAME	V OUT(IN BUFFER)	02/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM101	



PB_SEL_L (19)
(2) PB_SEL_H
C3210 0.1/UFV
+D3V
IC3206 TC7SH04FUTL
PB_CLK135 (2)
IC3207 TLCX574FTEL
Y_DAT [0-7]
(5) Y_DAT [0-7]
PB_CLK27 (2)
IC3201 TLCX244FTEL
R3201 100/J3
IC3202 TLCX574FTEL
R3202 100/J3
IC3203 TLCX574FTEL
R3203 100/J3
IC3208 TLCX574FTEL
C_DAT [0-7]
(5) C_DAT [0-7]
PB_DAT [0-7] (1)
EE_CLK135 (2)
IC3204 TLCX244FTEL
R3204 100/J3
IC3209 TLCX574FTEL
INP_Y_DAT [0-7] (1)
IC3205 TLCX244FTEL
R3205 100/J3
IC3210 TLCX574FTEL
INP_C_DAT [0-7] (1)
+D3V
C3201 0.1/UFV
C3202 0.1/UFV
C3203 0.1/UFV
C3204 0.1/UFV
C3205 0.1/UFV
C3206 0.1/UFV
C3207 0.1/UFV
C3208 0.1/UFV
C3209 0.1/UFV
IC3201 TLCX244FTEL
IC3202 TLCX574FTEL
IC3203 TLCX574FTEL
IC3204 TLCX244FTEL
IC3205 TLCX244FTEL
IC3207 TLCX574FTEL
IC3208 TLCX574FTEL
IC3209 TLCX574FTEL
IC3210 TLCX574FTEL

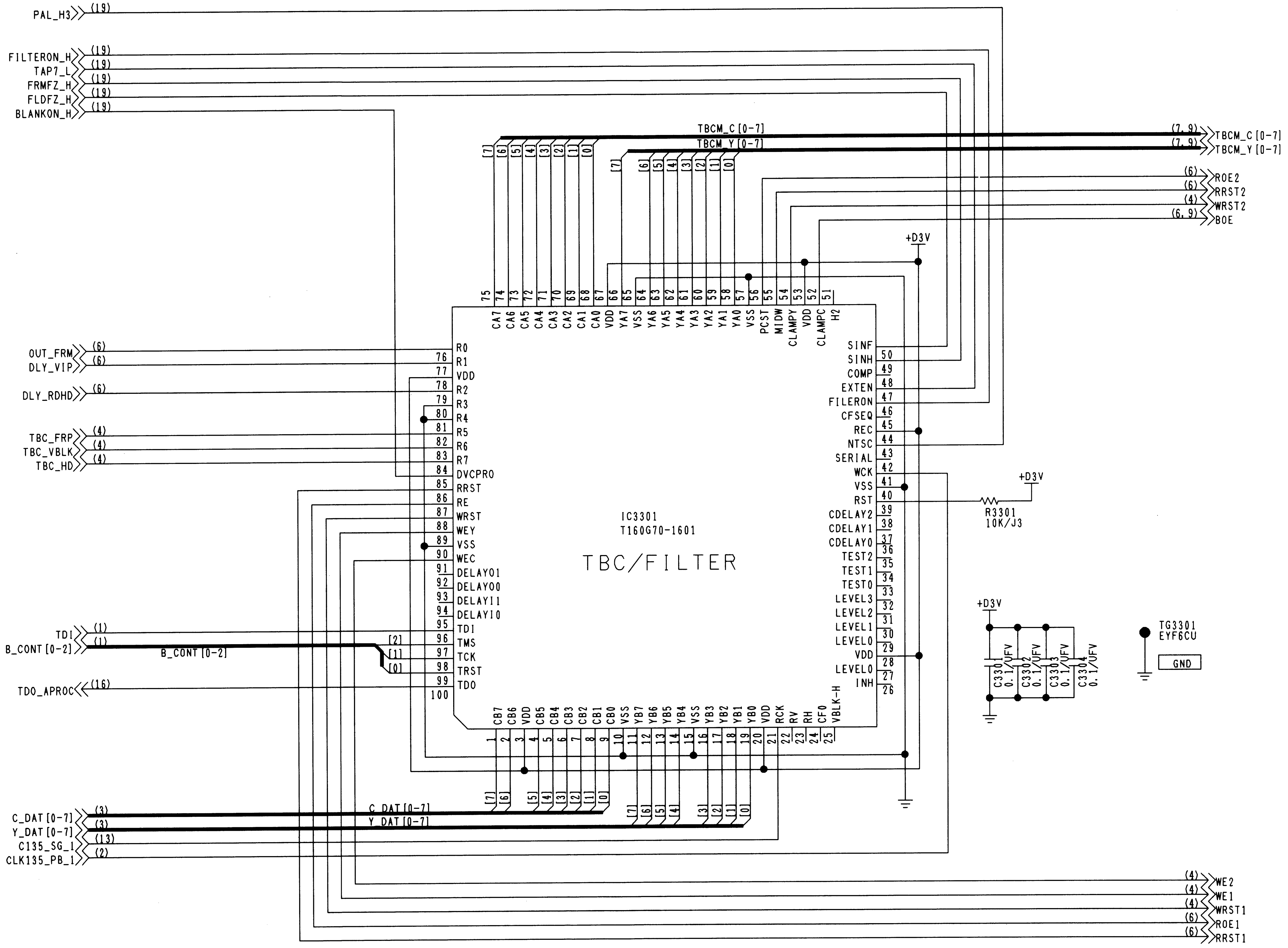
Ref No. 3200 Series.

COMPONENT NAME	V OUT(IN DATA SEL)	03/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM102	


ISP_TCK (1)
ISP_TDI (1)
ISP_TMS (1)
WRST1 (5)
WE1 (5)
WRST2 (5)
WE2 (5)
CLK135_PB_1 (2)
SDI_L (19)
PB_SEL_L (19)
EE_WEY (2)
EE_WEC (2)
EE_WRST (2)
EE_WV (2)
EE_WH (2)
EE_FRM (2)
PB_FRP (2)
PB_VBLK (2)
PB_HD (2)
COMP_L (19)
INCOM_FRM3 (2)
EE_CLK135 (2)
PB_CLK135 (2)
(6) ISP_TDO_TW
(7, 9) WRST
(7, 9) WE
(19) PAL_H3
(5) TBC_FRP
(5) TBC_VBLK
(5) TBC_HD
+3.3V
+D5V
R3281 VLP0151-T 00
R3282 PAT/J6
R3283 VLP0151-T 00
R3284 PAT/J6
C3281 0.1/UFV
C3282 0.1/UFV
C3283 0.1/UFV
C3284 0.1/UFV
C3285 0.1/UFV
C3286 0.1/UFV
R3285 0/J3
R3286 0/J3
R3287 0/J3
IC3281
PZ3128S10BP
VSI3183
1 I/O-A2
2 I/O-A0
3 VDD
4 I/O-B15 (TDI)
5 I/O-B13
6 I/O-B12
7 I/O-B10
8 I/O-B8
9 I/O-B7
10 I/O-B5
11 GND
12 I/O-B4
13 I/O-B2
14 I/O-B0
15 I/O-C15 (TMS)
16 I/O-C13
17 I/O-C12
18 VDD
19 I/O-C10
20 I/O-C8
21 I/O-C7
22 I/O-C5
23 I/O-C4
24 I/O-C2
25 I/O-C0
26 GND
27 I/O-D15
28 I/O-D13
29 I/O-D12
30 I/O-D10
31 I/O-D8
32 I/O-D7
33 I/O-D5
34 VDD
35 I/O-D4
36 I/O-D2
37 I/O-D0/CLK2
38 GND
39 VDD
40 I/O-E0/CLK1
41 I/O-E2
42 I/O-E4
43 GND
44 I/O-E5
45 I/O-E7
46 I/O-E8
47 I/O-E10
48 I/O-E12
49 I/O-E13
50 I/O-E15
51 VDD
52 I/O-F0
53 I/O-F2
54 I/O-F4
55 I/O-F5
56 I/O-F7
57 I/O-F8
58 I/O-F10
59 GND
60 I/O-F12
61 I/O-F13
62 I/O-F15 (TCK)
63 I/O-G0
64 I/O-G2
65 I/O-G4
66 VDD
67 I/O-G5
68 I/O-G7
69 I/O-G8
70 I/O-G10
71 I/O-G12
72 I/O-G13
73 I/O-G15 (TDO)
74 GND
75 I/O-H0
76 I/O-H2
77 I/O-H4
78 I/O-H5
79 I/O-H7
80 I/O-H8
81 I/O-H10
82 VDD
83 I/O-H12
84 I/O-H13
85 I/O-H15
86 GND
87 IN0/CLK0
88 IN2-GTSN
89 IN1
90 IN3
91 VDD
92 I/O-A15/CLK3
93 I/O-A13
94 I/O-A12
95 GND
96 I/O-A10
97 I/O-A8
98 I/O-A7
99 I/O-A5
100 I/O-A4

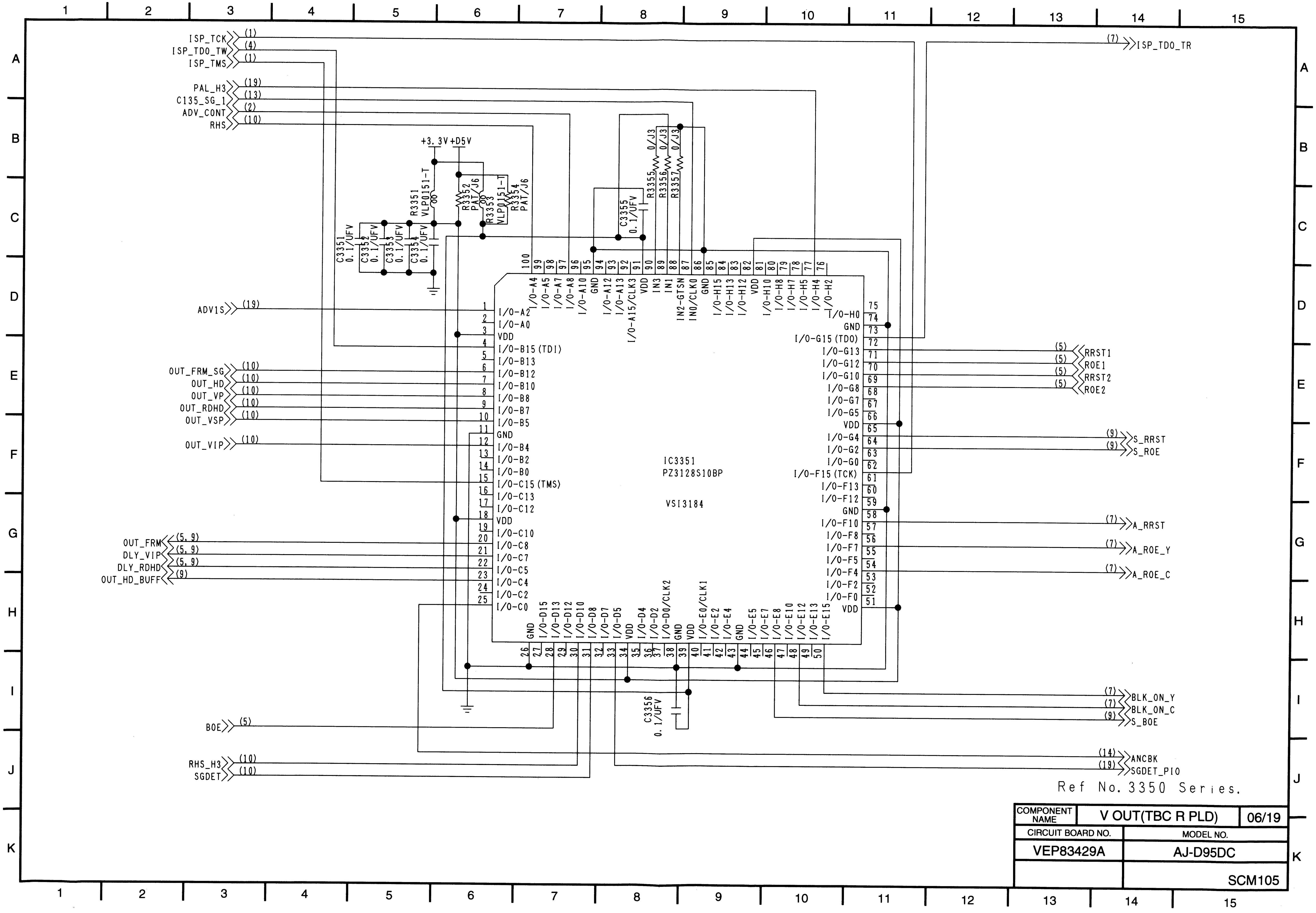
Ref No. 3280 Series.

COMPONENT NAME	V OUT(TBC W PLD)	04/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM103	


PAL_H3 (19)
FILTERON_H (19)
TAP7_L (19)
FRMFZ_H (19)
FLDFZ_H (19)
BLANKON_H (19)
OUT_FRM (6)
DLY_VIP (6)
DLY_RDHD (6)
TBC_FRP (4)
TBC_VBLK (4)
TBC_HD (4)
TDI (1)
B_CONT[0-2] (1)
B_CONT[0-2]
TDO_APROC (16)
C_DAT[0-7] (3)
Y_DAT[0-7] (3)
C135_SG_1 (13)
CLK135_PB_1 (2)
C_DAT[0-7]
Y_DAT[0-7]
TBCM_C[0-7]
TBCM_Y[0-7]
(7, 9) TBCM_C[0-7]
(7, 9) TBCM_Y[0-7]
(6) ROE2
(6) RRST2
(4) WRST2
(6, 9) BOE
(4) WE2
(4) WE1
(4) WRST1
(6) ROE1
(6) RRST1
+D3V
IC3301
T160G70-1601
TBC/FILTER
R0 R1 VDD R2 R3 R4 R5 R6 R7 DVCPRO RRST RE WRST WEY VSS WEC DELAY01 DELAY00 DELAY11 DELAY10 TDI TMS TCK TRST TDO
CA7 CA6 CA5 CA4 CA3 CA2 CA1 CA0 VDD YA7 VSS YA6 YA5 YA4 YA3 YA2 YA1 YA0 VSS PCST MIDW CLAMPY VDD CLAMPC H2
SINF SINH COMP EXTEN FILERON CFSEQ REC NTSC SERIAL WCK VSS RST CDELAY2 CDELAY1 CDELAY0 TEST2 TEST1 TEST0 LEVEL3 LEVEL2 LEVEL1 LEVEL0 VDD LEVEL0 INH
CB7 CB6 VDD CB5 CB4 CB3 CB2 CB1 CB0 VSS YB7 YB6 YB5 YB4 VSS YB3 YB2 YB1 YB0 VDD RCK RV RH CF0 VBLK-H
R3301
10K/J3
C3301 0.1/UFV
C3302 0.1/UFV
C3303 0.1/UFV
C3304 0.1/UFV
TG3301
EYF6CU
GND

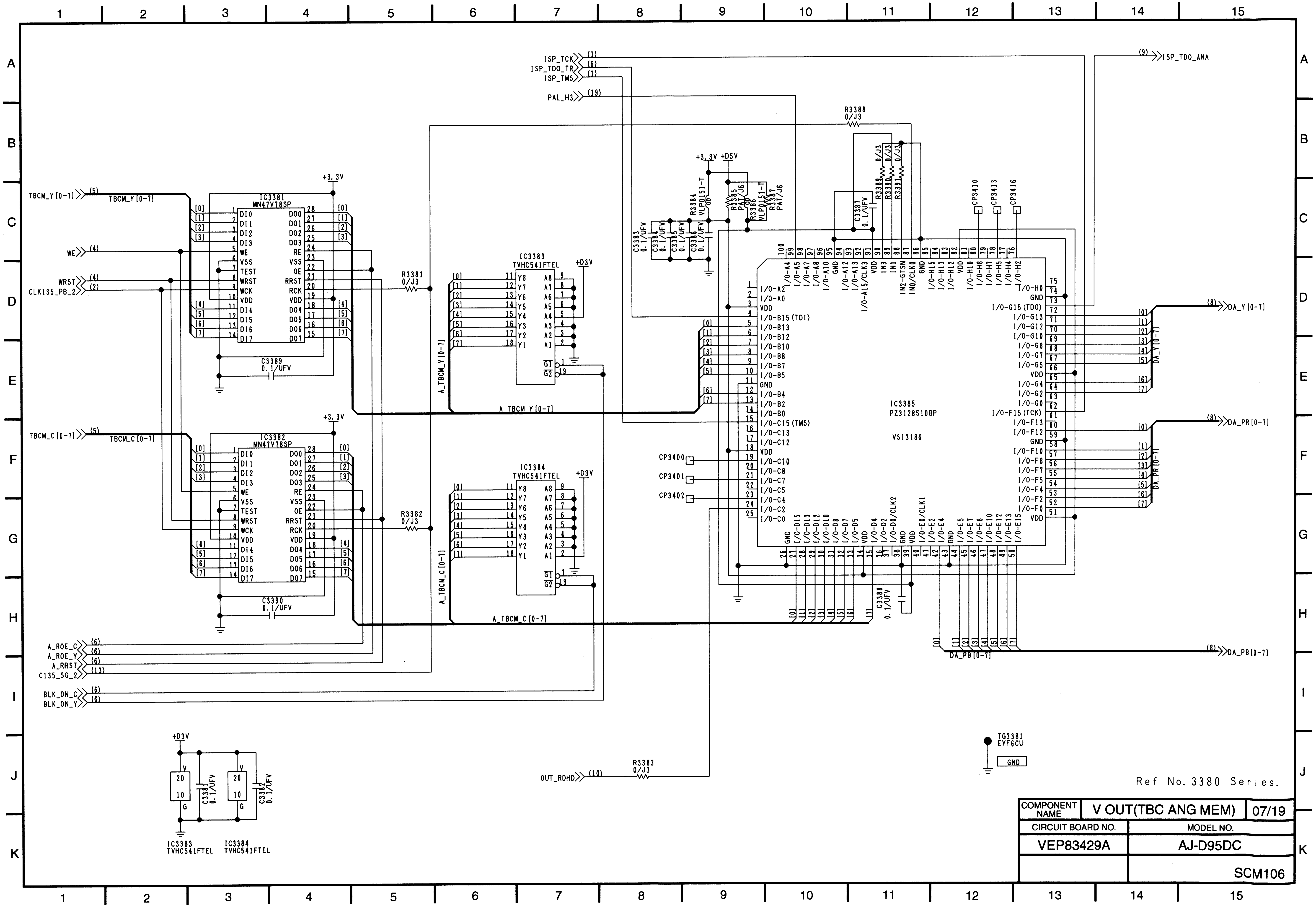
Ref No. 3300 Series.

COMPONENT NAME	V OUT(TBC)	05/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM104	


ISP_TCK (1)
ISP_TDO_TW (4)
ISP_TMS (1)
PAL_H3 (19)
C135_SG_1 (13)
ADV_CONT (2)
RHS (10)
ADV1S (19)
OUT_FRM_SG (10)
OUT_HD (10)
OUT_VP (10)
OUT_RDHD (10)
OUT_VSP (10)
OUT_VIP (10)
OUT_FRM (5, 9)
DLY_VIP (5, 9)
DLY_RDHD (5, 9)
OUT_HD_BUFF (9)
BOE (5)
RHS_H3 (10)
SGDET (10)
(7) ISP_TDO_TR
(5) RRST1
(5) ROE1
(5) RRST2
(5) ROE2
(9) S_RRST
(9) S_ROE
(7) A_RRST
(7) A_ROE_Y
(7) A_ROE_C
(7) BLK_ON_Y
(7) BLK_ON_C
(9) S_BOE
(14) ANCBK
(19) SGDET_PIO
+3.3V
+D5V
R3351 VLP0151-T
R3352 PAT/J6
R3353
R3354 PAT/J6 VLP0151-T
C3351 0.1/UFV
C3352 0.1/UFV
C3353 0.1/UFV
C3354 0.1/UFV
C3355 0.1/UFV
C3356 0.1/UFV
R3355 0/J3
R3356 0/J3
R3357 0/J3
IC3351
PZ3128S10BP
VSI3184
1 I/O-A2
2 I/O-A0
3 VDD
4 I/O-B15(TDI)
5 I/O-B13
6 I/O-B12
7 I/O-B10
8 I/O-B8
9 I/O-B7
10 I/O-B5
11 GND
12 I/O-B4
13 I/O-B2
14 I/O-B0
15 I/O-C15(TMS)
16 I/O-C13
17 I/O-C12
18 VDD
19 I/O-C10
20 I/O-C8
21 I/O-C7
22 I/O-C5
23 I/O-C4
24 I/O-C2
25 I/O-C0
26 GND
27 I/O-D15
28 I/O-D13
29 I/O-D12
30 I/O-D10
31 I/O-D8
32 I/O-D7
33 I/O-D5
34 VDD
35 I/O-D4
36 I/O-D2
37 I/O-D0/CLK2
38 GND
39 VDD
40 I/O-E0/CLK1
41 I/O-E2
42 I/O-E4
43 GND
44 I/O-E5
45 I/O-E7
46 I/O-E8
47 I/O-E10
48 I/O-E12
49 I/O-E13
50 I/O-E15
51 VDD
52 I/O-F0
53 I/O-F2
54 I/O-F4
55 I/O-F5
56 I/O-F7
57 I/O-F8
58 I/O-F10
59 GND
60 I/O-F12
61 I/O-F13
62 I/O-F15(TCK)
63 I/O-G0
64 I/O-G2
65 I/O-G4
66 VDD
67 I/O-G5
68 I/O-G7
69 I/O-G8
70 I/O-G10
71 I/O-G12
72 I/O-G13
73 I/O-G15(TDO)
74 GND
75 I/O-H0
76 I/O-H2
77 I/O-H4
78 I/O-H5
79 I/O-H7
80 I/O-H8
81 I/O-H10
82 VDD
83 I/O-H12
84 I/O-H13
85 I/O-H15
86 GND
87 IN0/CLK0
88 IN2-GTSN
89 IN1
90 IN3
91 VDD
92 I/O-A15/CLK3
93 I/O-A13
94 I/O-A12
95 GND
96 I/O-A10
97 I/O-A8
98 I/O-A7
99 I/O-A5
100 I/O-A4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

Ref No. 3350 Series.

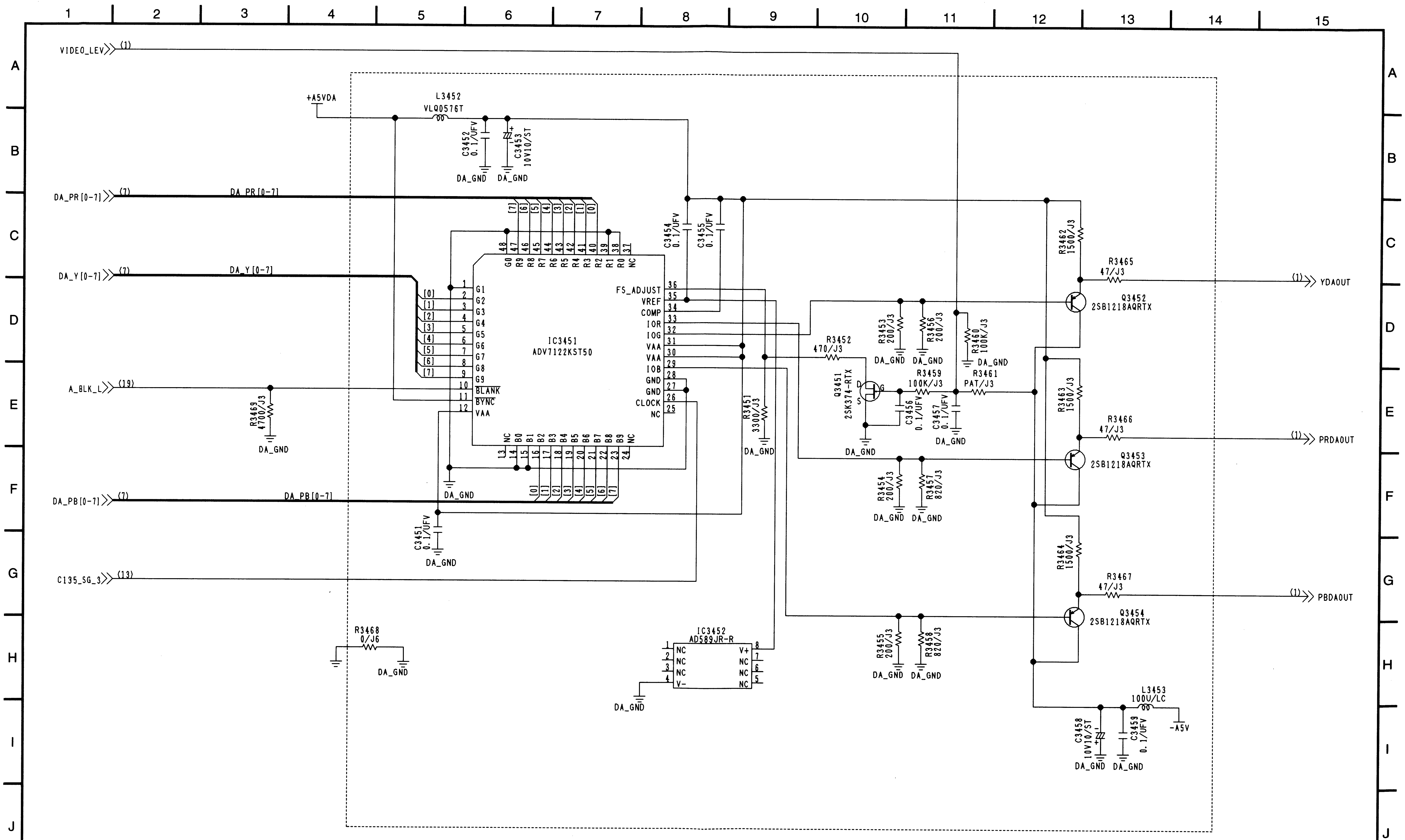
COMPONENT NAME	V OUT(TBC R PLD)	06/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM105	



IC3381 MN47V78SP
IC3382 MN47V78SP
IC3383 TVHC541FTEL
IC3384 TVHC541FTEL
IC3385 PZ3128510BP
VS13186
TBCM_Y[0-7]
TBCM_C[0-7]
WE
WRST
CLK135_PB_2
A_TBCM_Y[0-7]
A_TBCM_C[0-7]
A_ROE_C
A_ROE_Y
A_RRST
C135_SG_2
BLK_ON_C
BLK_ON_Y
ISP_TCK
ISP_TDO_TR
ISP_TMS
PAL_H3
ISP_TDO_ANA
DA_Y[0-7]
DA_PR[0-7]
DA_PB[0-7]
OUT_RDHD
R3381 0/J3
R3382 0/J3
R3383 0/J3
R3384 VLP0151-T
R3385 PAT/J6
R3386 VLP0151-T
R3387 PAT/J6
R3388 0/J3
R3389 0/J3
R3390 0/J3
R3391 0/J3
C3381 0.1/UFV
C3382 0.1/UFV
C3383 0.1/UFV
C3384 0.1/UFV
C3385 0.1/UFV
C3386 0.1/UFV
C3387 0.1/UFV
C3388 0.1/UFV
C3389 0.1/UFV
C3390 0.1/UFV
CP3400
CP3401
CP3402
CP3410
CP3413
CP3416
TG3381 EYF6CU
GND
+3.3V
+D3V
+D5V

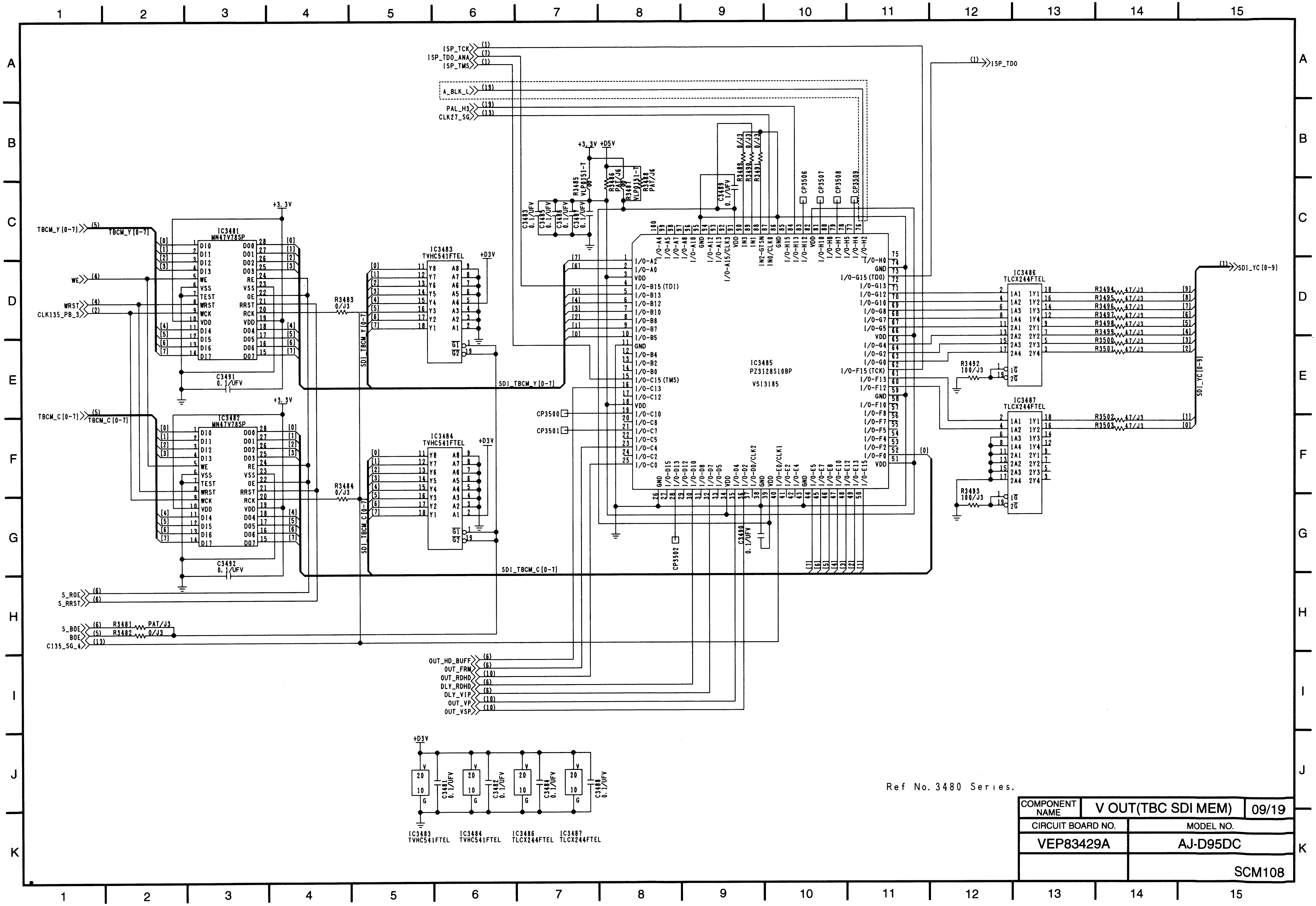
Ref No. 3380 Series.

COMPONENT NAME	V OUT(TBC ANG MEM)	07/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM106	


VIDEO_LEV (1)
+A5VDA
L3452
VLQ0576T
C3452 0.1/UFV
C3453 10V10/ST
DA_GND
DA_PR[0-7] (7)
DA_PR[0-7]
DA_Y[0-7] (7)
DA_Y[0-7]
A_BLK_L (19)
R3469 4700/J3
DA_PB[0-7] (7)
DA_PB[0-7]
C135_SG_3 (13)
C3451 0.1/UFV
IC3451
ADV7122KST50
G1 G2 G3 G4 G5 G6 G7 G8 G9 BLANK BYNC VAA
G0 R9 R8 R7 R6 R5 R4 R3 R2 R1 R0 NC
FS_ADJUST VREF COMP IOR IOG VAA VAA IOB GND GND CLOCK NC
NC B0 B1 B2 B3 B4 B5 B6 B7 B8 B9 NC
C3454 0.1/UFV
C3455 0.1/UFV
R3451 3300/J3
IC3452
AD589JR-R
NC NC NC V- V+ NC NC NC
R3468 0/J6
R3452 470/J3
Q3451 2SK374-RTX
C3456 0.1/UFV
C3457 0.1/UFV
R3453 200/J3
R3456 200/J3
R3460 100K/J3
R3459 100K/J3
R3461 PAT/J3
R3454 200/J3
R3457 820/J3
R3455 200/J3
R3458 820/J3
R3462 1500/J3
R3463 1500/J3
R3464 1500/J3
R3465 47/J3
R3466 47/J3
R3467 47/J3
Q3452 2SB1218AQRTX
Q3453 2SB1218AQRTX
Q3454 2SB1218AQRTX
(1) YDAOUT
(1) PRDAOUT
(1) PBDAOUT
L3453 100U/LC
-A5V
C3458 10V10/ST
C3459 0.1/UFV
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

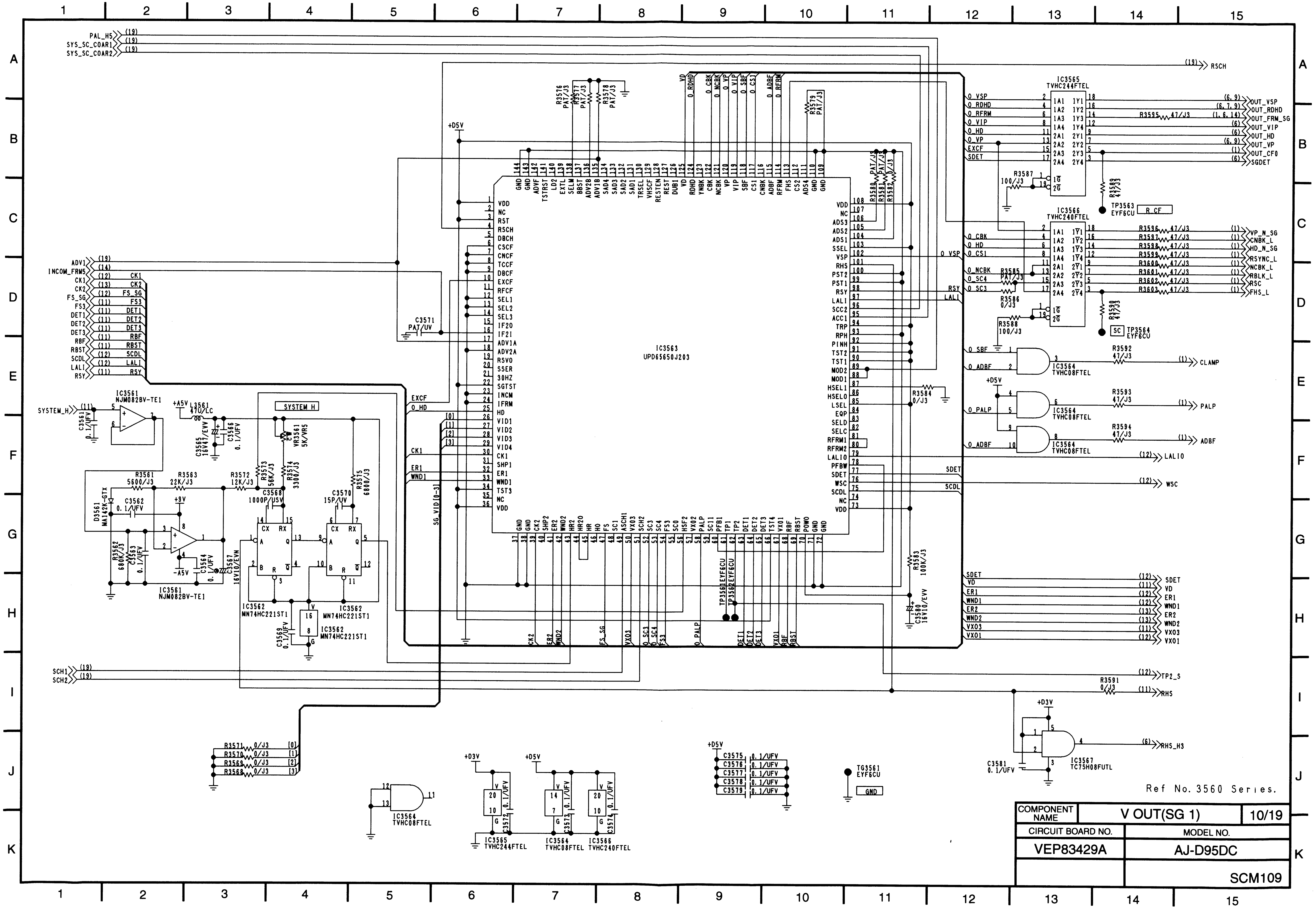
Ref No. 3450 Series.

COMPONENT NAME	V OUT(D/A)	08/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM107	


IC3481 MN47V78SP
IC3482 MN47V78SP
IC3483 TVHC541FTEL
IC3484 TVHC541FTEL
IC3485 PZ3128S10BP VS13185
IC3486 TLCX244FTEL
IC3487 TLCX244FTEL
TBCM_Y[0-7]
TBCM_C[0-7]
WE
WRST
CLK135_PB_3
S_ROE
S_RRST
S_BOE
BOE
C135_SG_4
R3481 PAT/J3
R3482 0/J3
R3483 0/J3
R3484 0/J3
C3491 0.1/UFV
C3492 0.1/UFV
SDI_TBCM_Y[0-7]
SDI_TBCM_C[0-7]
ISP_TCK
ISP_TDO_ANA
ISP_TMS
A_BLK_L
PAL_H3
CLK27_SG
ISP_TDO
+3.3V
+D5V
+D3V
R3485 VLP0151-T
R3486 PAT/J6
R3487
R3488 PAT/J6
C3483 0.1/UFV
C3485 0.1/UFV
C3486 0.1/UFV
C3487 0.1/UFV
C3489 0.1/UFV
C3490 0.1/UFV
R3489 0/J3
R3490 0/J3
R3491 0/J3
CP3500
CP3501
CP3502
CP3506
CP3507
CP3508
CP3509
R3492 100/J3
R3493 100/J3
R3494 47/J3
R3495 47/J3
R3496 47/J3
R3497 47/J3
R3498 47/J3
R3499 47/J3
R3500 47/J3
R3501 47/J3
R3502 47/J3
R3503 47/J3
SDI_YC[0-9]
OUT_HD_BUFF
OUT_FRM
OUT_RDHD
DLY_RDHD
DLY_VIP
OUT_VP
OUT_VSP
C3481 0.1/UFV
C3482 0.1/UFV
C3484 0.1/UFV
C3488 0.1/UFV
IC3483 TVHC541FTEL
IC3484 TVHC541FTEL
IC3486 TLCX244FTEL
IC3487 TLCX244FTEL

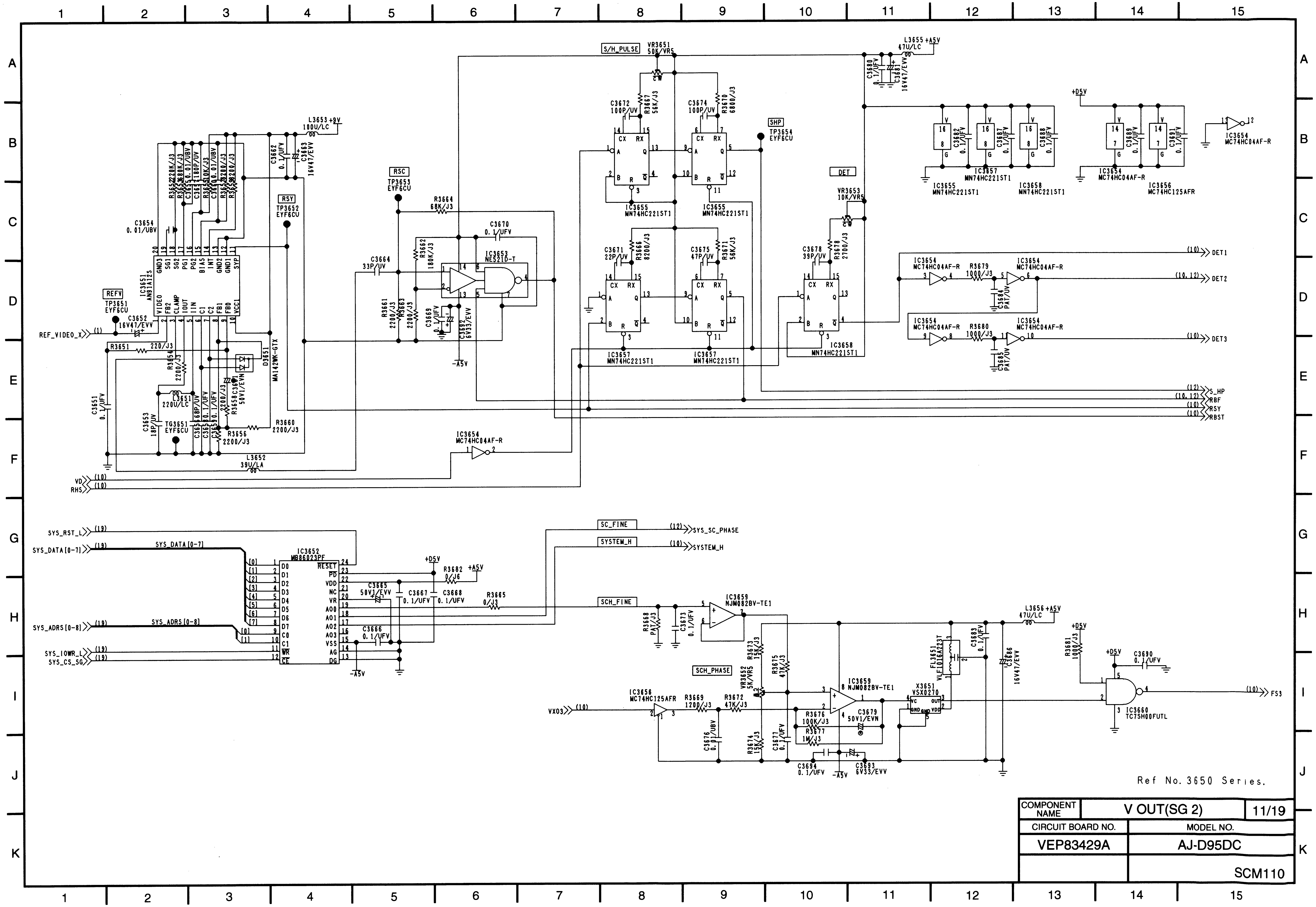
Ref No. 3480 Series.

COMPONENT NAME	V OUT(TBC SDI MEM)	09/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM108	


PAL_H5
SYS_SC_COAR1
SYS_SC_COAR2
RSCH
IC3563
UPD65650J203
IC3565
TVHC244FTEL
IC3566
TVHC240FTEL
IC3564
TVHC08FTEL
IC3561
NJM082BV-TE1
IC3562
MN74HC221ST1
IC3567
TC75H08FUTL
SYSTEM_H
SYSTEM H
VR3561
5K/VR5
D3561
MA142K-GTX
L3561
470/LC
+A5V
-A5V
+9V
+D5V
+D3V
ADV1
INCOM_FRM5
CK1
CK2
FS_SG
FS3
DET1
DET2
DET3
RBF
RBST
SCDL
LALI
RSY
SCH1
SCH2
OUT_VSP
OUT_RDHD
OUT_FRM_SG
OUT_VIP
OUT_HD
OUT_VP
OUT_CF0
SGDET
VP_N_SG
CNBK_L
HD_N_SG
RSYNC_L
NCBK_L
RBLK_L
RSC
FHS_L
CLAMP
PALP
ADBF
LALI0
WSC
SDET
VD
ER1
WND1
ER2
WND2
VXO3
VXO1
TP2_S
RHS
RHS_H3
TP3563
EYF6CU
R CF
TP3564
SC
TP3561
TP3562
TG3561
GND
SG VID[0-3]

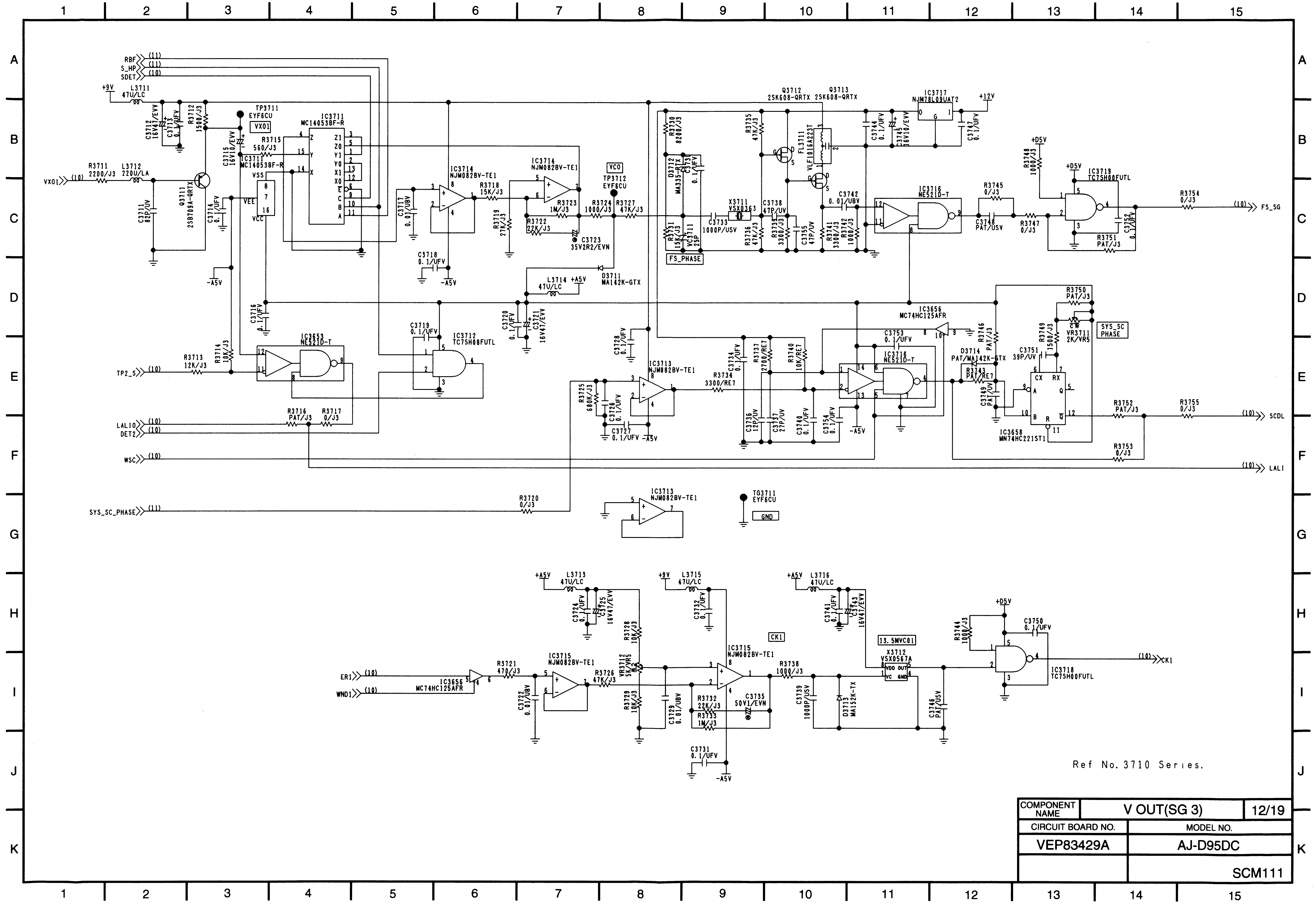
Ref No. 3560 Series.

COMPONENT NAME	V OUT(SG 1)	10/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM109	


S/H_PULSE
VR3651 50K/VR5
L3655 47U/LC +A5V
L3653 100U/LC +9V
RSC TP3653 EYF6CU
RSY TP3652 EYF6CU
REFV TP3651 EYF6CU
SHP TP3654 EYF6CU
DET
VR3653 10K/VR5
IC3651 AN91A12S
IC3652 MB86023PF
IC3653 NE521D-T
IC3654 MC74HC04AF-R
IC3655 MN74HC221ST1
IC3656 MC74HC125AFR
IC3657 MN74HC221ST1
IC3658 MN74HC221ST1
IC3659 NJM082BV-TE1
IC3660 TC7SH00FUTL
X3651 VSX0270
FL3651 VLF1016A223T
D3651 MA142WK-GTX
L3651 220U/LC
L3652 39U/LA
L3656 47U/LC +A5V
VR3652 5K/VR5
REF_VIDEO_X (1)
VD (10)
RHS (10)
(10) DET1
(10, 12) DET2
(10) DET3
(12) S_HP
(10, 12) RBF
(10) RSY
(10) RBST
SYS_RST_L (19)
SYS_DATA[0-7] (19)
SYS_ADRS[0-8] (19)
SYS_IOWR_L (19)
SYS_CS_SG (19)
SC_FINE (12) SYS_SC_PHASE
SYSTEM_H (10) SYSTEM_H
SCH_FINE
SCH_PHASE
VX03 (10)
(10) FS3
+D5V
-A5V

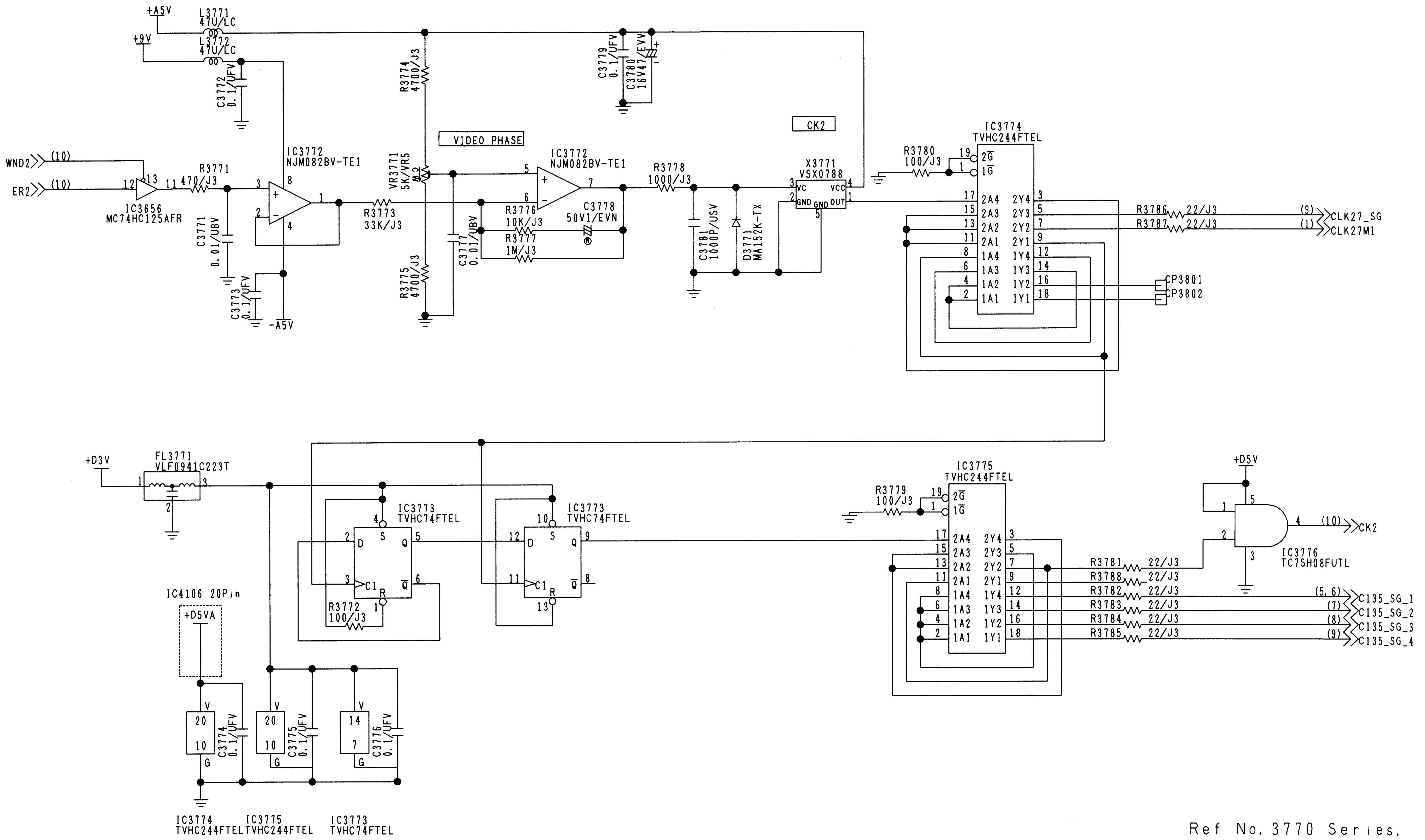
Ref No. 3650 Series.

COMPONENT NAME	V OUT(SG 2)	11/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM110	


RBF (11)
S_HP (11)
SDET (10)
+9V
L3711 47U/LC
C3712 16V47/EVV
C3713 0.1/UFV
R3712 1500/J3
TP3711 EYF6CU
VX01
IC3711 MC14053BF-R
C3715 16V10/EVV
R3715 560/J3
IC3711 MC14053BF-R
VSS
VEE
VCC
VX01 (10)
R3711 2200/J3
L3712 220U/LA
Q3711 2SB709A-QRTX
C3711 82P/UV
C3714 0.1/UFV
-A5V
IC3714 NJM082BV-TE1
C3717 0.01/UBV
C3718 0.1/UFV
R3718 15K/J3
R3719 27K/J3
R3723 1M/J3
R3722 22K/J3
C3723 35V2R2/EVN
VCO
TP3712 EYF6CU
R3724 1000/J3
R3727 47K/J3
D3711 MA142K-GTX
L3714 47U/LC
+A5V
C3720 0.1/UFV
C3721 16V47/EVV
C3716 0.1/UFV
IC3653 NE521D-T
IC3712 TC7SH08FUTL
C3719 0.1/UFV
TP2_S (10)
R3713 12K/J3
R3714 10K/J3
LALI0 (10)
DET2 (10)
R3716 PAT/J3
R3717 0/J3
WSC (10)
SYS_SC_PHASE (11)
R3720 0/J3
Q3712 2SK608-QRTX
Q3713 2SK608-QRTX
IC3717 NJM78L09UAT2
+12V
R3730 8200/J3
R3735 47K/J3
FL3711 VLF1016A223T
C3744 0.1/UFV
C3745 16V10/EVV
C3747 0.1/UFV
D3712 MA335-RTX
C3737 0.1/UFV
X3711 VSX0363
C3733 1000P/USV
R3731 15K/J3
VC3711 25P
FS_PHASE
C3738 47P/UV
R3736 47K/J3
R3739 3300/J3
C3755 47P/UV
R3741 3300/J3
R3742 1000/J3
C3742 0.01/UBV
IC3716 NE521D-T
R3745 0/J3
C3748 PAT/USV
R3747 0/J3
R3748 1000/J3
+D5V
IC3719 TC7SH00FUTL
R3751 PAT/J3
C3752 0.1/UFV
R3754 0/J3
(10) FS_SG
IC3656 MC74HC125AFR
R3750 PAT/J3
R3749 1500/J3
VR3711 2K/VR5
CW
SYS_SC PHASE
R3746 PAT/J3
C3751 39P/UV
D3714 PAT/MA142K-GTX
R3743 PAT/RE7
C3749 PAT/UV
IC3658 MN74HC221ST1
R3752 PAT/J3
R3755 0/J3
(10) SCDL
R3753 0/J3
(10) LALI
C3753 0.1/UFV
IC3716 NE521D-T
R3737 2700/RE7
R3740 10K/RE7
C3734 0.1/UFV
R3734 3300/RE7
C3736 12P/UV
C3737 27P/UV
C3740 0.1/UFV
C3754 0.1/UFV
C3728 0.1/UFV
IC3713 NJM082BV-TE1
R3725 680K/J3
C3726 0.1/UFV
C3727 0.1/UFV
IC3713 NJM082BV-TE1
TG3711 EYF6CU
GND
L3713 47U/LC
C3724 0.1/UFV
C3725 16V47/EVV
+9V
L3715 47U/LC
C3732 0.1/UFV
L3716 47U/LC
C3741 0.1/UFV
C3743 16V47/EVV
CK1
13.5MVC01
X3712 VSX0567A
VDD OUT
VC GND
+D5V
R3744 1000/J3
C3750 0.1/UFV
IC3718 TC7SH00FUTL
(10) CK1
ER1 (10)
WND1 (10)
IC3656 MC74HC125AFR
R3721 470/J3
C3722 0.01/UBV
IC3715 NJM082BV-TE1
R3726 47K/J3
R3728 10K/J3
VR3712 5K/VR5
R3729 10K/J3
C3729 0.01/UBV
IC3715 NJM082BV-TE1
R3732 22K/J3
R3733 1M/J3
C3735 50V1/EVN
C3731 0.1/UFV
R3738 1000/J3
C3739 1000P/USV
D3713 MA152K-TX
C3746 PAT/USV

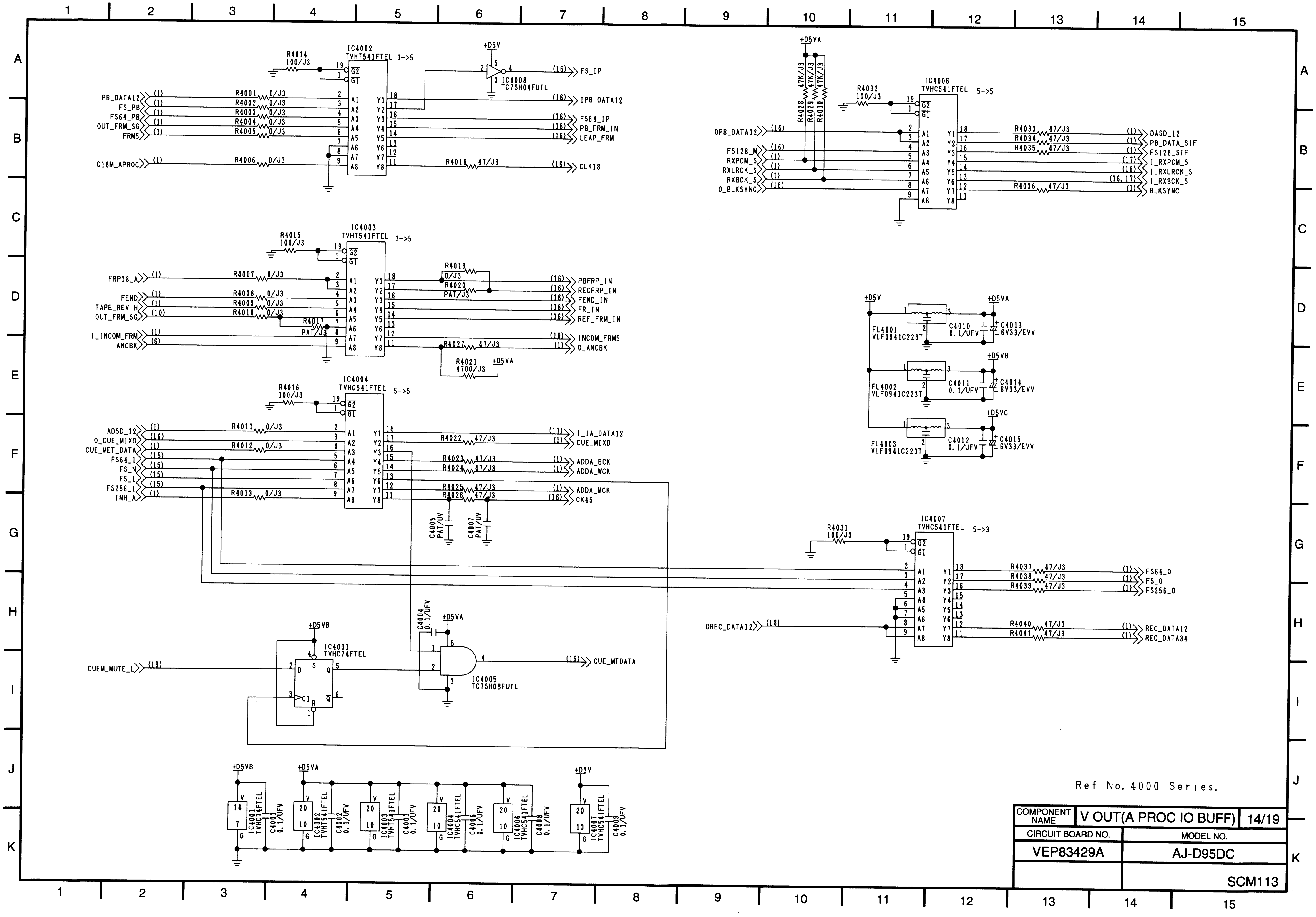
Ref No. 3710 Series.

COMPONENT NAME	V OUT(SG 3)	12/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM111	


+A5V
L3771 47U/LC
+9V
L3772 47U/LC
C3772 0.1/UFV
R3774 4700/J3
C3779 0.1/UFV
C3780 16V47/EVV
VIDEO PHASE
CK2
WND2
(10)
ER2
(10)
IC3656 MC74HC125AFR
R3771 470/J3
IC3772 NJM082BV-TE1
C3771 0.01/UBV
C3773 0.1/UFV
-A5V
VR3771 5K/VR5
R3773 33K/J3
R3775 4700/J3
C3777 0.01/UBV
IC3772 NJM082BV-TE1
R3776 10K/J3
R3777 1M/J3
C3778 50V1/EVN
R3778 1000/J3
C3781 1000P/USV
D3771 MA152K-TX
X3771 VSX0788
VC VCC GND GND OUT
R3780 100/J3
IC3774 TVHC244FTEL
2G 1G 2A4 2A3 2A2 2A1 1A4 1A3 1A2 1A1 2Y4 2Y3 2Y2 2Y1 1Y4 1Y3 1Y2 1Y1
R3786 22/J3
R3787 22/J3
(9) CLK27_SG
(1) CLK27M1
CP3801
CP3802
+D3V
FL3771 VLF0941C223T
IC3773 TVHC74FTEL
D S Q C1 R Q̄
R3772 100/J3
IC3773 TVHC74FTEL
IC4106 20Pin
+D5VA
R3779 100/J3
IC3775 TVHC244FTEL
R3781 22/J3
R3788 22/J3
R3782 22/J3
R3783 22/J3
R3784 22/J3
R3785 22/J3
(5, 6) C135_SG_1
(7) C135_SG_2
(8) C135_SG_3
(9) C135_SG_4
+D5V
IC3776 TC7SH08FUTL
(10) CK2
C3774 0.1/UFV
C3775 0.1/UFV
C3776 0.1/UFV
IC3774 TVHC244FTEL
IC3775 TVHC244FTEL
IC3773 TVHC74FTEL

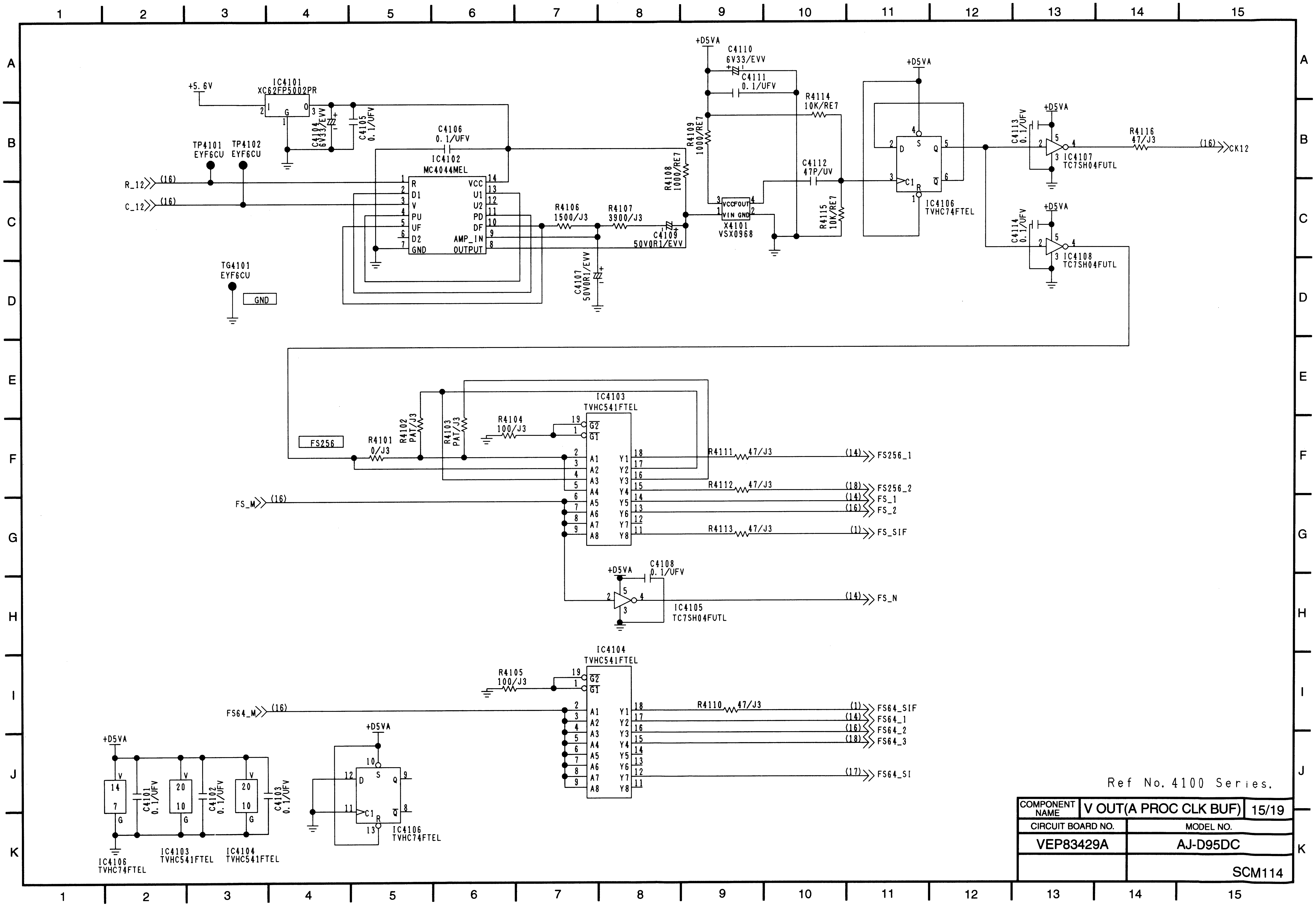
Ref No. 3770 Series.

COMPONENT NAME	V OUT(SG 4)	13/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM112	


IC4002 TVHT541FTEL 3->5
R4014 100/J3
+D5V
IC4008 TC7SH04FUTL
FS_IP
PB_DATA12
FS_PB
FS64_PB
OUT_FRM_SG
FRM5
R4001 0/J3
R4002 0/J3
R4003 0/J3
R4004 0/J3
R4005 0/J3
IPB_DATA12
FS64_IP
PB_FRM_IN
LEAP_FRM
C18M_APROC
R4006 0/J3
R4018 47/J3
CLK18
IC4003 TVHT541FTEL 3->5
R4015 100/J3
FRP18_A
R4007 0/J3
R4019 0/J3
R4020 PAT/J3
PBFRP_IN
RECFRP_IN
FEND
TAPE_REV_H
OUT_FRM_SG
R4008 0/J3
R4009 0/J3
R4010 0/J3
R4017 PAT/J3
FEND_IN
FR_IN
REF_FRM_IN
I_INCOM_FRM
ANCBK
R4027 47/J3
INCOM_FRM5
O_ANCBK
R4021 4700/J3
+D5VA
IC4004 TVHC541FTEL 5->5
R4016 100/J3
ADSD_12
O_CUE_MIXD
CUE_MET_DATA
FS64_I
FS_N
FS_I
FS256_I
INH_A
R4011 0/J3
R4012 0/J3
R4013 0/J3
R4022 47/J3
R4023 47/J3
R4024 47/J3
R4025 47/J3
R4026 47/J3
I_IA_DATA12
CUE_MIXD
ADDA_BCK
ADDA_WCK
ADDA_MCK
CK45
C4005 PAT/UV
C4007 PAT/UV
+D5VB
IC4001 TVHC74FTEL
CUEM_MUTE_L
C4004 0.1/UFV
+D5VA
IC4005 TC7SH08FUTL
CUE_MTDATA
+D5VA
R4028 47K/J3
R4029 47K/J3
R4030 47K/J3
IC4006 TVHC541FTEL 5->5
R4032 100/J3
OPB_DATA12
FS128_M
RXPCM_S
RXLRCK_S
RXBCK_S
O_BLKSYNC
R4033 47/J3
R4034 47/J3
R4035 47/J3
R4036 47/J3
DASD_12
PB_DATA_SIF
FS128_SIF
I_RXPCM_S
I_RXLRCK_S
I_RXBCK_S
BLKSYNC
+D5V
+D5VA
FL4001 VLF0941C223T
C4010 0.1/UFV
C4013 6V33/EVV
+D5VB
FL4002 VLF0941C223T
C4011 0.1/UFV
C4014 6V33/EVV
+D5VC
FL4003 VLF0941C223T
C4012 0.1/UFV
C4015 6V33/EVV
IC4007 TVHC541FTEL 5->3
R4031 100/J3
R4037 47/J3
R4038 47/J3
R4039 47/J3
FS64_O
FS_O
FS256_O
OREC_DATA12
R4040 47/J3
R4041 47/J3
REC_DATA12
REC_DATA34
+D5VB
+D5VA
+D3V
IC4001 TVHC74FTEL
C4001 0.1/UFV
IC4002 TVHT541FTEL
C4002 0.1/UFV
IC4003 TVHT541FTEL
C4003 0.1/UFV
IC4004 TVHC541FTEL
C4006 0.1/UFV
IC4006 TVHC541FTEL
C4008 0.1/UFV
IC4007 TVHC541FTEL
C4009 0.1/UFV
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

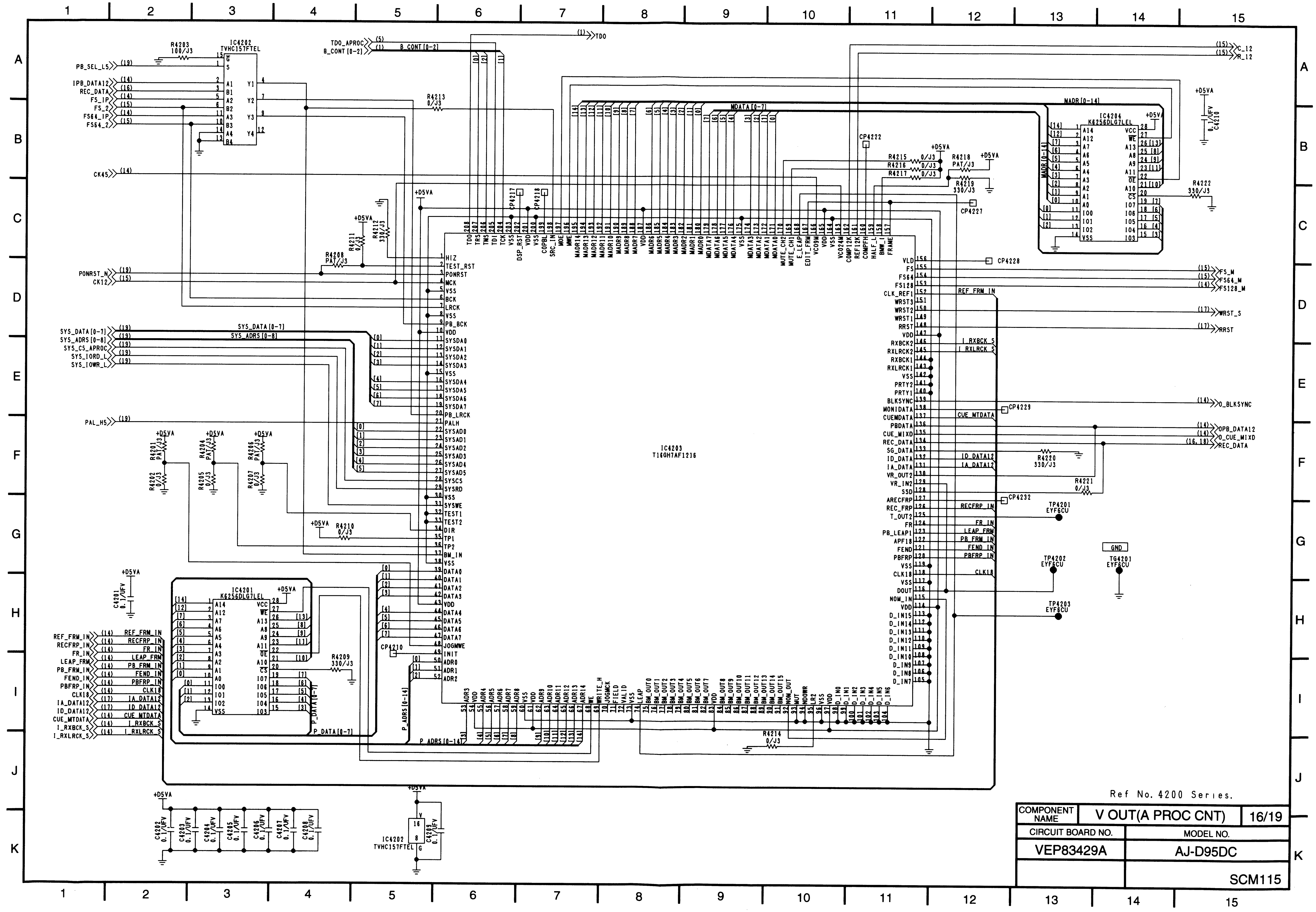
Ref No. 4000 Series.

COMPONENT NAME	V OUT(A PROC IO BUFF)	14/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM113	


+5.6V
IC4101
XC62FP5002PR
C4104
6V33/EVV
C4105
0.1/UFV
C4106
0.1/UFV
IC4102
MC4044MEL
R
D1
V
PU
UF
D2
GND
VCC
U1
U2
PD
DF
AMP_IN
OUTPUT
TP4101
EYF6CU
TP4102
EYF6CU
R_12
C_12
(16)
TG4101
EYF6CU
GND
R4106
1500/J3
R4107
3900/J3
C4109
50V0R1/EVV
C4107
50V0R1/EVV
+D5VA
C4110
6V33/EVV
C4111
0.1/UFV
R4109
1000/RE7
R4108
1000/RE7
R4114
10K/RE7
C4112
47P/UV
R4115
10K/RE7
X4101
VSX0968
VCCFOUT
VIN GND
IC4106
TVHC74FTEL
D
S
Q
C1
R
C4113
0.1/UFV
IC4107
TC7SH04FUTL
C4114
0.1/UFV
IC4108
TC7SH04FUTL
R4116
47/J3
CK12
FS256
R4101
0/J3
R4102
PAT/J3
R4103
PAT/J3
R4104
100/J3
IC4103
TVHC541FTEL
G2
G1
A1
A2
A3
A4
A5
A6
A7
A8
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
FS_M
R4111 47/J3
(14) FS256_1
R4112 47/J3
(18) FS256_2
(14) FS_1
(16) FS_2
R4113 47/J3
(1) FS_SIF
C4108
0.1/UFV
IC4105
TC7SH04FUTL
(14) FS_N
IC4104
TVHC541FTEL
R4105
100/J3
FS64_M
R4110 47/J3
(1) FS64_SIF
(14) FS64_1
(16) FS64_2
(18) FS64_3
(17) FS64_SI
C4101
0.1/UFV
C4102
0.1/UFV
C4103
0.1/UFV
IC4106
TVHC74FTEL
IC4103
TVHC541FTEL
IC4104
TVHC541FTEL
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
H
I
J
K

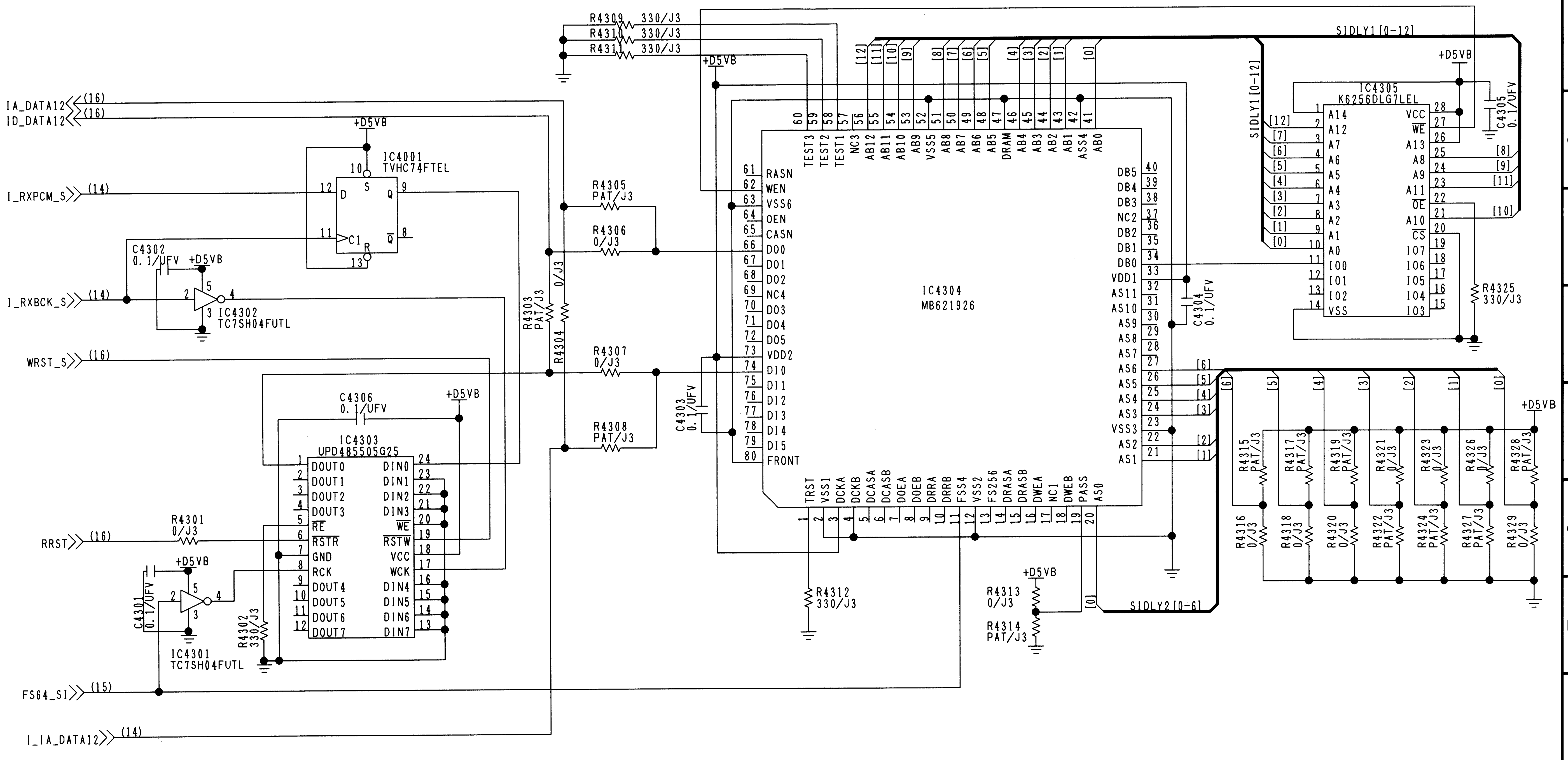
Ref No. 4100 Series.

COMPONENT NAME	V OUT(A PROC CLK BUF)	15/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM114	


IC4202
TVHC157FTEL
R4203
100/J3
PB_SEL_L5
IPB_DATA12
REC_DATA
FS_IP
FS_2
FS64_IP
FS64_2
CK45
TDO_APROC
B_CONT[0-2]
TDO
C_12
R_12
R4213
0/J3
MDATA[0-7]
MADR[0-14]
IC4204
K6256DLG7LEL
C4210
0.1/UFV
+D5VA
CP4222
R4215
0/J3
R4216
0/J3
R4217
0/J3
R4218
PAT/J3
R4219
330/J3
R4222
330/J3
CP4217
CP4218
CP4227
R4211
R4212
330/J3
R4208
PAT/J3
PONRST_N
CK12
HIZ
TEST_RST
PONRST
MCK
VSS
BCK
LRCK
PB_BCK
VDD
SYSDA0
SYSDA1
SYSDA2
SYSDA3
SYSDA4
SYSDA5
SYSDA6
SYSDA7
PB_LRCK
PALH
SYSAD0
SYSAD1
SYSAD2
SYSAD3
SYSAD4
SYSAD5
SYSCS
SYSRD
SYSWE
TEST1
TEST2
DIR
TP1
TP2
BM_IN
DATA0
DATA1
DATA2
DATA3
DATA4
DATA5
DATA6
DATA7
JOGMWE
INIT
ADR0
ADR1
ADR2
SYS_DATA[0-7]
SYS_ADRS[0-8]
SYS_CS_APROC
SYS_IORD_L
SYS_IOWR_L
PAL_H5
R4201
PAT/J3
R4202
0/J3
R4204
PAT/J3
R4205
0/J3
R4206
PAT/J3
R4207
0/J3
R4210
0/J3
C4201
0.1/UFV
IC4201
K6256DLG7LEL
CP4210
R4209
330/J3
P_DATA[0-7]
P_ADRS[0-14]
REF_FRM_IN
RECFRP_IN
FR_IN
LEAP_FRM
PB_FRM_IN
FEND_IN
PBFRP_IN
CLK18
IA_DATA12
ID_DATA12
CUE_MTDATA
I_RXBCK_S
I_RXLRCK_S
IC4203
T16GH7AF1216
TDO
TRS
TMS
TDI
TCK
DSP_RST
COPBL
SRC_IN
MOE
MWE
MADR14
MADR13
MADR12
MADR11
MADR10
MADR9
MADR8
MADR7
MDAT6
MDAT5
MDAT4
MDAT3
MDAT2
MDAT1
MDAT0
MDATA7
MDATA6
MDATA5
MDATA4
MDATA3
MDATA2
MDATA1
MDATA0
MUTE_CH2
MUTE_CH1
E_LEAP
EDIT_FRM
VCO9M
VCO24M
COMP12K
REF12K
CMPFH
HALF_L
BMW_L
FRAME
VLD
FS
FS64
FS128
CLK_REF1
WRST3
WRST2
WRST1
RRST
RXBCK2
RXLRCK2
RXBCK1
RXLRCK1
PRTY2
PRTY1
BLKSYNC
MONIDATA
CUEMDATA
PBDATA
CUE_MIXD
REC_DATA
SG_DATA
ID_DATA
IA_DATA
VR_OUT2
VR_IN2
SSD
ARECFRP
REC_FRP
T_OUT2
FR
PB_LEAP1
APF18
FEND
PBFRP
CLK18
DOUT
NOM_IN
D_IN15
D_IN14
D_IN13
D_IN12
D_IN11
D_IN10
D_IN9
D_IN8
D_IN7
ADR3
ADR4
ADR5
ADR6
ADR7
ADR8
ADR9
ADR10
ADR11
ADR12
ADR13
ADR14
WE
WRITE_H
JOGMCK
FIELD
VALID
LEAP
BM_OUT0
BM_OUT15
NOM_OUT
MUT
NDOWR
LR2
D_IN0
D_IN1
D_IN2
D_IN3
D_IN4
D_IN5
D_IN6
CP4228
REF_FRM_IN
I_RXBCK_S
I_RXLRCK_S
CP4229
CUE_MTDATA
ID_DATA12
IA_DATA12
R4220
330/J3
R4221
0/J3
CP4232
RECFRP_IN
FR_IN
LEAP_FRM
PB_FRM_IN
FEND_IN
PBFRP_IN
CLK18
TP4201
EYF6CU
TP4202
EYF6CU
TP4203
EYF6CU
GND
TG4201
EYF6CU
FS_M
FS64_M
FS128_M
WRST_S
RRST
O_BLKSYNC
OPB_DATA12
O_CUE_MIXD
REC_DATA
R4214
0/J3
C4202
C4203
C4204
C4205
C4206
C4207
C4208
0.1/UFV
C4209
0.1/UFV
IC4202
TVHC157FTEL

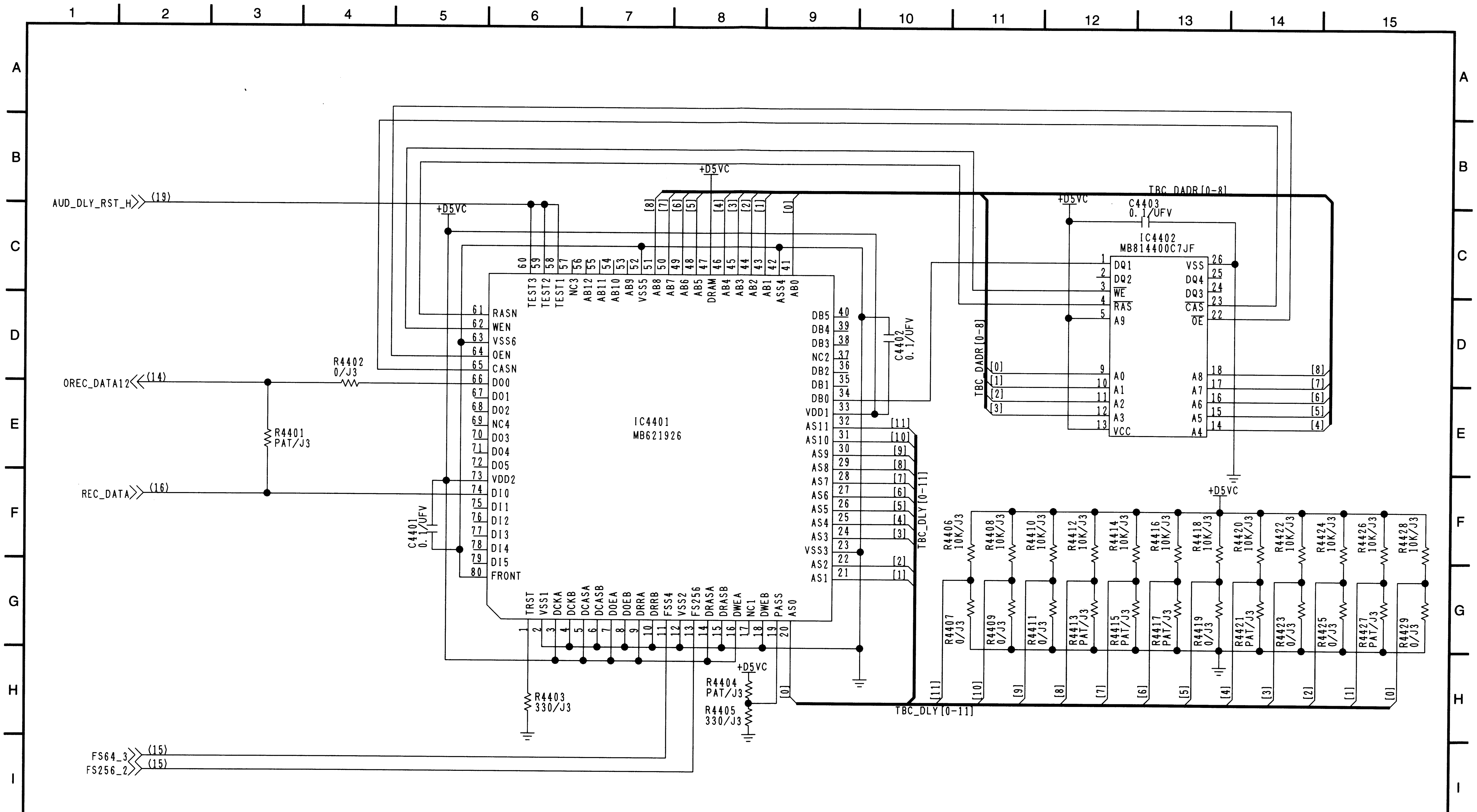
Ref No. 4200 Series.

COMPONENT NAME	V OUT(A PROC CNT)	16/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM115	


IA_DATA12 (16)
ID_DATA12 (16)
I_RXPCM_S (14)
I_RXBCK_S (14)
WRST_S (16)
RRST (16)
FS64_S1 (15)
I_IA_DATA12 (14)
+D5VB
IC4001 TVHC74FTEL
IC4302 TC7SH04FUTL
C4302 0.1/UFV
IC4303 UPD485505G25
DOUT0 DOUT1 DOUT2 DOUT3 RE RSTR GND RCK DOUT4 DOUT5 DOUT6 DOUT7
DIN0 DIN1 DIN2 DIN3 WE RSTW VCC WCK DIN4 DIN5 DIN6 DIN7
C4306 0.1/UFV
R4301 0/J3
R4302 330/J3
C4301 0.1/UFV
IC4301 TC7SH04FUTL
R4303 PAT/J3
R4304 0/J3
R4305 PAT/J3
R4306 0/J3
R4307 0/J3
R4308 PAT/J3
R4309 330/J3
R4310 330/J3
R4311 330/J3
C4303 0.1/UFV
IC4304 MB621926
RASN WEN VSS6 OEN CASN DO0 DO1 DO2 NC4 DO3 DO4 DO5 VDD2 DI0 DI1 DI2 DI3 DI4 DI5 FRONT
TEST3 TEST2 TEST1 NC3 AB12 AB11 AB10 AB9 VSS5 AB8 AB7 AB6 AB5 DRAM AB4 AB3 AB2 AB1 ASS4 AB0
DB5 DB4 DB3 NC2 DB2 DB1 DB0 VDD1 AS11 AS10 AS9 AS8 AS7 AS6 AS5 AS4 AS3 VSS3 AS2 AS1
TRST VSS1 DCKA DCKB DCASA DCASB DOEA DOEB DRRA DRRB FSS4 VSS2 FS256 DRASA DRASB DWEA NC1 DWEB PASS AS0
C4304 0.1/UFV
R4312 330/J3
R4313 0/J3
R4314 PAT/J3
SIDLY1[0-12]
SIDLY2[0-6]
IC4305 K6256DLG7LEL
A14 A12 A7 A6 A5 A4 A3 A2 A1 A0 IO0 IO1 IO2 VSS
VCC WE A13 A8 A9 A11 OE A10 CS IO7 IO6 IO5 IO4 IO3
C4305 0.1/UFV
R4325 330/J3
R4315 PAT/J3
R4316 0/J3
R4317 PAT/J3
R4318 0/J3
R4319 PAT/J3
R4320 0/J3
R4321 0/J3
R4322 PAT/J3
R4323 0/J3
R4324 PAT/J3
R4326 0/J3
R4327 PAT/J3
R4328 PAT/J3
R4329 0/J3

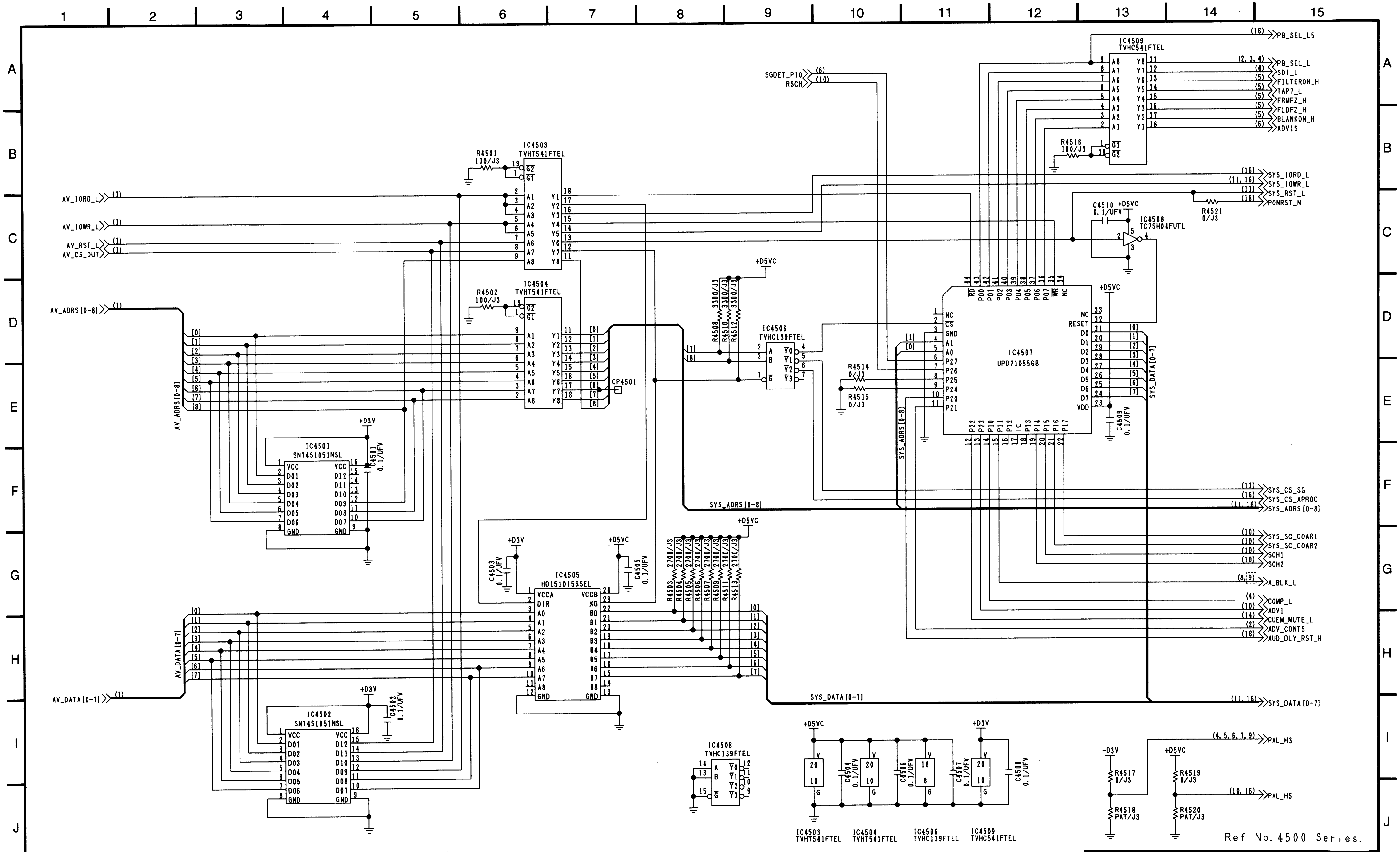
Ref No. 4300 Series.

COMPONENT NAME	V OUT(A PROC SIO DLY)	17/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM116	


AUD_DLY_RST_H (19)
OREC_DATA12 (14)
REC_DATA (16)
FS64_3 (15)
FS256_2 (15)
R4402 0/J3
R4401 PAT/J3
C4401 0.1/UFV
R4403 330/J3
R4404 PAT/J3
R4405 330/J3
+D5VC
IC4401
MB621926
C4402 0.1/UFV
C4403 0.1/UFV
IC4402
MB814400C7JF
TBC_DADR[0-8]
TBC_DLY[0-11]
R4406 10K/J3
R4407 0/J3
R4408 10K/J3
R4409 0/J3
R4410 10K/J3
R4411 0/J3
R4412 10K/J3
R4413 PAT/J3
R4414 10K/J3
R4415 PAT/J3
R4416 10K/J3
R4417 PAT/J3
R4418 10K/J3
R4419 0/J3
R4420 10K/J3
R4421 PAT/J3
R4422 10K/J3
R4423 0/J3
R4424 10K/J3
R4425 0/J3
R4426 10K/J3
R4427 PAT/J3
R4428 10K/J3
R4429 0/J3
RASN
WEN
VSS6
OEN
CASN
DO0
DO1
DO2
NC4
DO3
DO4
DO5
VDD2
DI0
DI1
DI2
DI3
DI4
DI5
FRONT
TEST3
TEST2
TEST1
NC3
AB12
AB11
AB10
AB9
VSS5
AB8
AB7
AB6
AB5
DRAM
AB4
AB3
AB2
AB1
ASS4
AB0
DB5
DB4
DB3
NC2
DB2
DB1
DB0
VDD1
AS11
AS10
AS9
AS8
AS7
AS6
AS5
AS4
AS3
VSS3
AS2
AS1
TRST
VSS1
DCKA
DCKB
DCASA
DCASB
DOEA
DOEB
DRRA
DRRB
FSS4
VSS2
FS256
DRASA
DRASB
DWEA
NC1
DWEB
PASS
AS0
DQ1
DQ2
WE
RAS
A9
A0
A1
A2
A3
VCC
VSS
DQ4
DQ3
CAS
OE
A8
A7
A6
A5
A4

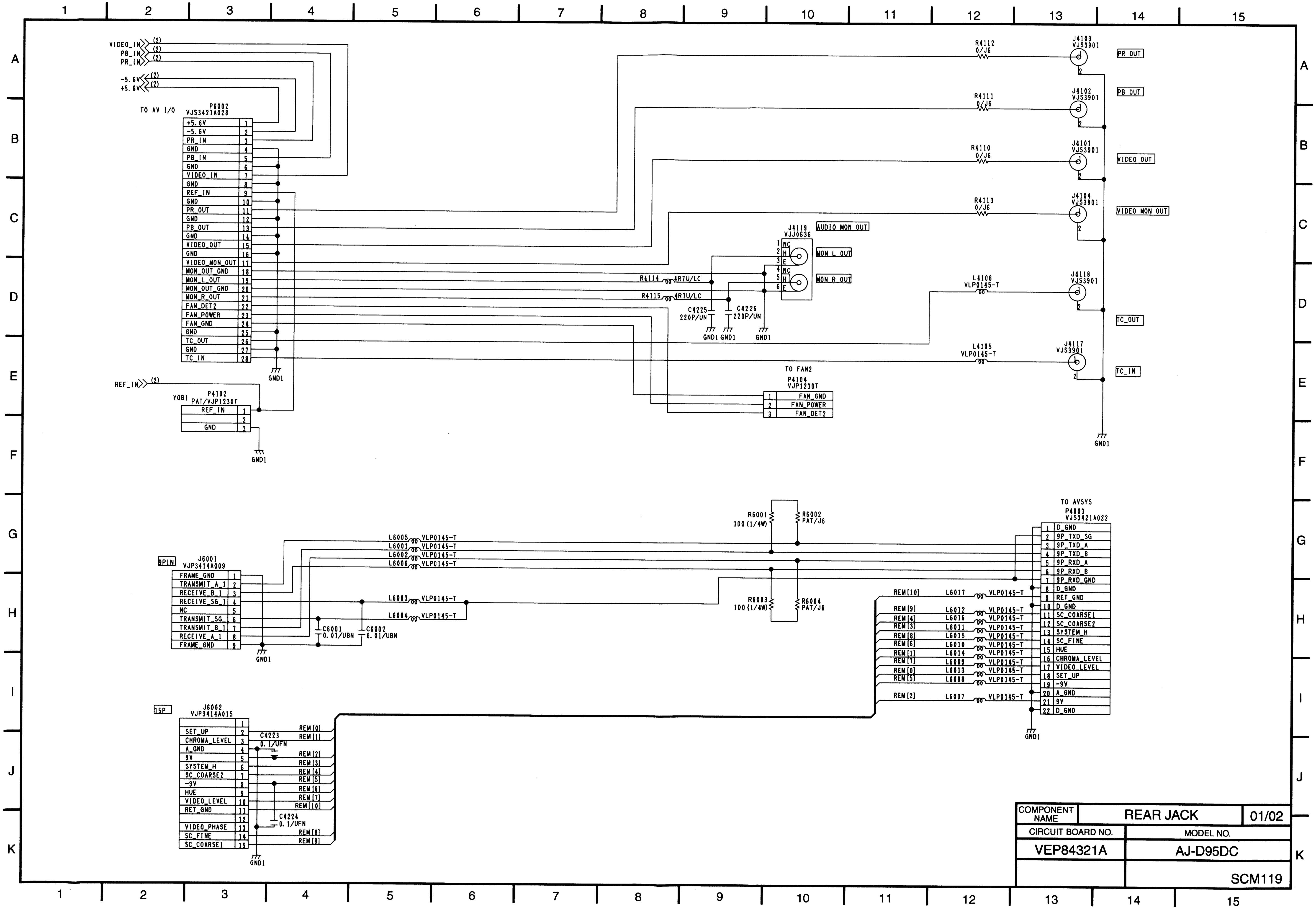
Ref No. 4400 Series.

COMPONENT NAME	V OUT(A PROC TBC DLY)	18/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM117	

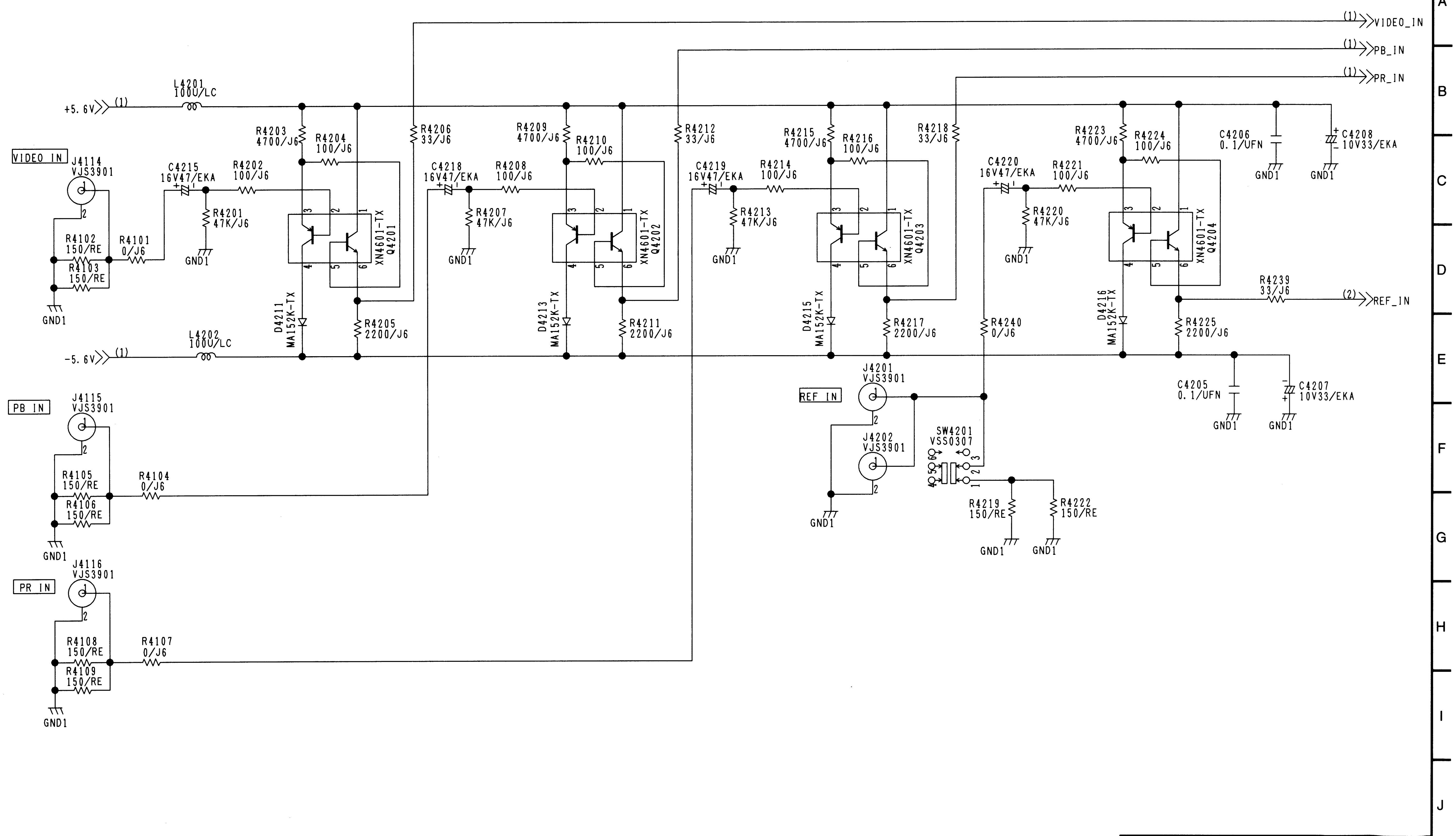

IC4503 TVHT541FTEL
IC4504 TVHT541FTEL
IC4505 HD151015SSEL
IC4506 TVHC139FTEL
IC4507 UPD71055GB
IC4508 TC7SH04FUTL
IC4509 TVHC541FTEL
IC4501 SN74S1051NSL
IC4502 SN74S1051NSL
R4501 100/J3
R4502 100/J3
R4516 100/J3
R4521 0/J3
R4514 0/J3
R4515 0/J3
R4508 3300/J3
R4510 3300/J3
R4512 3300/J3
R4503 2700/J3
R4504 2700/J3
R4505 2700/J3
R4506 2700/J3
R4507 2700/J3
R4509 2700/J3
R4511 2700/J3
R4513 2700/J3
R4517 0/J3
R4518 PAT/J3
R4519 0/J3
R4520 PAT/J3
C4501 0.1/UFV
C4502 0.1/UFV
C4503 0.1/UFV
C4504 0.1/UFV
C4505 0.1/UFV
C4506 0.1/UFV
C4507 0.1/UFV
C4508 0.1/UFV
C4509 0.1/UFV
C4510 0.1/UFV
CP4501
+D3V
+D5VC
AV_IORD_L (1)
AV_IOWR_L (1)
AV_RST_L (1)
AV_CS_OUT (1)
AV_ADRS[0-8] (1)
AV_DATA[0-7] (1)
SGDET_P10 (6)
RSCH (10)
(16) PB_SEL_L5
(2,3,4) PB_SEL_L
(4) SDI_L
(5) FILTERON_H
(5) TAP7_L
(5) FRMFZ_H
(5) FLDFZ_H
(5) BLANKON_H
(6) ADV1S
(16) SYS_IORD_L
(11,16) SYS_IOWR_L
(11) SYS_RST_L
(16) PONRST_N
(11) SYS_CS_SG
(16) SYS_CS_APROC
(11,16) SYS_ADRS[0-8]
(10) SYS_SC_COAR1
(10) SYS_SC_COAR2
(10) SCH1
(10) SCH2
(8,9) A_BLK_L
(4) COMP_L
(10) ADV1
(14) CUEM_MUTE_L
(2) ADV_CONT5
(18) AUD_DLY_RST_H
(11,16) SYS_DATA[0-7]
(4,5,6,7,9) PAL_H3
(10,16) PAL_H5
SYS_ADRS[0-8]
SYS_DATA[0-7]
IC4503 TVHT541FTEL
IC4504 TVHT541FTEL
IC4506 TVHC139FTEL
IC4509 TVHC541FTEL

Ref No. 4500 Series.

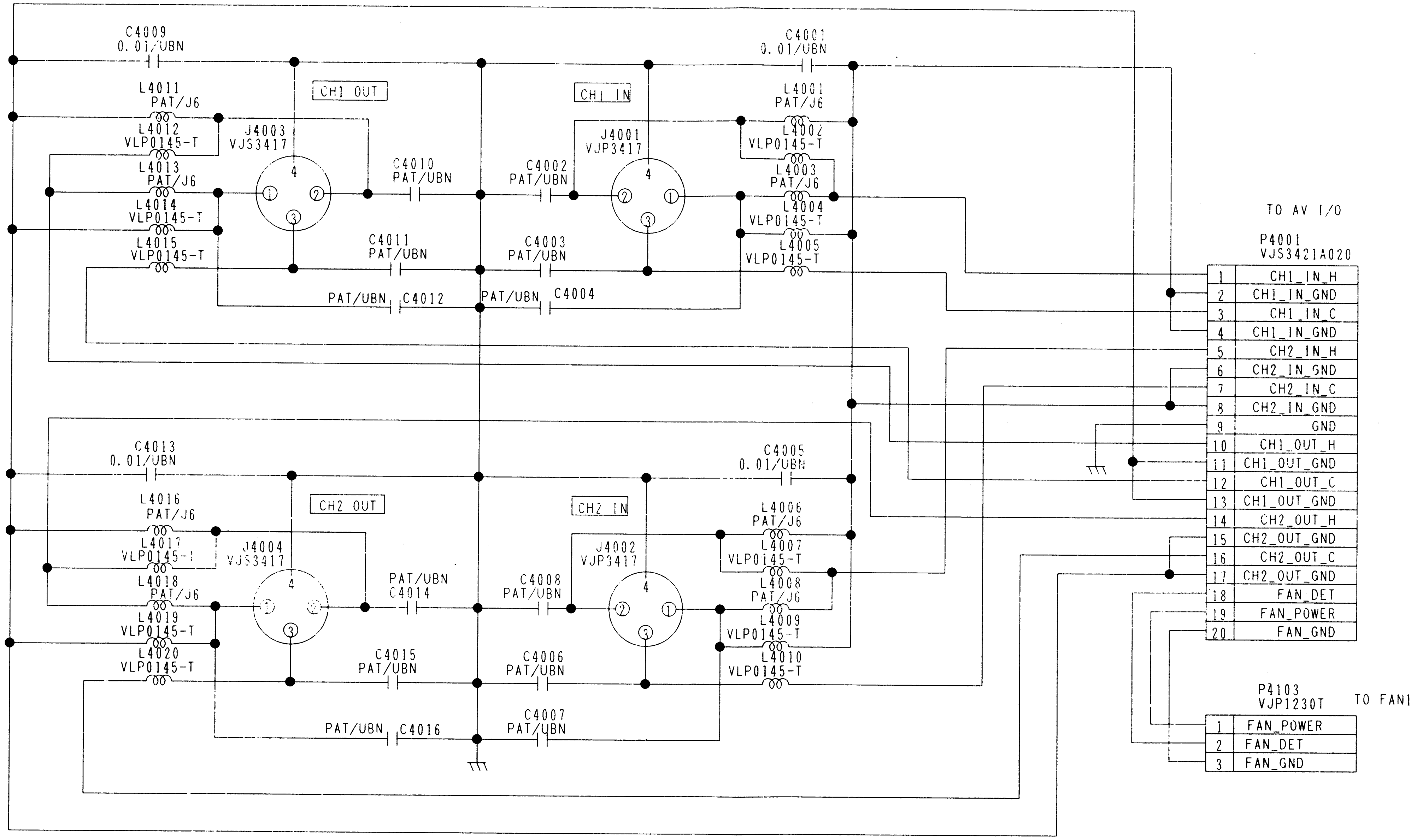
COMPONENT NAME	V OUT(SYS IF)	19/19
CIRCUIT BOARD NO.	MODEL NO.	
VEP83429A	AJ-D95DC	
	SCM118	


VIDEO_IN (2)
PB_IN (2)
PR_IN (2)
-5.6V (2)
+5.6V (2)
TO AV I/O
P6002
VJS3421A028
+5.6V
-5.6V
PR_IN
GND
PB_IN
GND
VIDEO_IN
GND
REF_IN
GND
PR_OUT
GND
PB_OUT
GND
VIDEO_OUT
GND
VIDEO_MON_OUT
MON_OUT_GND
MON_L_OUT
MON_OUT_GND
MON_R_OUT
FAN_DET2
FAN_POWER
FAN_GND
GND
TC_OUT
GND
TC_IN
GND1
REF_IN (2)
YOBI
P4102
PAT/VJP1230T
REF_IN
GND
GND1
R4112 0/J6
J4103 VJS3901
PR OUT
R4111 0/J6
J4102 VJS3901
PB OUT
R4110 0/J6
J4101 VJS3901
VIDEO OUT
R4113 0/J6
J4104 VJS3901
VIDEO MON OUT
J4119 VJJ0636
AUDIO MON OUT
MON L OUT
MON R OUT
NC H E NC H E
R4114 4R7U/LC
R4115 4R7U/LC
C4225 220P/UN
C4226 220P/UN
GND1 GND1 GND1
L4106 VLP0145-T
J4118 VJS3901
TC_OUT
L4105 VLP0145-T
J4117 VJS3901
TC_IN
TO FAN2
P4104 VJP1230T
FAN_GND
FAN_POWER
FAN_DET2
GND1
9PIN
J6001
VJP3414A009
FRAME_GND
TRANSMIT_A_1
RECEIVE_B_1
RECEIVE_SG_1
NC
TRANSMIT_SG_
TRANSMIT_B_1
RECEIVE_A_1
FRAME_GND
GND1
L6005 VLP0145-T
L6001 VLP0145-T
L6002 VLP0145-T
L6006 VLP0145-T
L6003 VLP0145-T
L6004 VLP0145-T
C6001 0.01/UBN
C6002 0.01/UBN
R6001 100(1/4W)
R6002 PAT/J6
R6003 100(1/4W)
R6004 PAT/J6
TO AVSYS
P4003
VJS3421A022
D_GND
9P_TXD_SG
9P_TXD_A
9P_TXD_B
9P_RXD_A
9P_RXD_B
9P_RXD_GND
D_GND
RET_GND
D_GND
SC_COARSE1
SC_COARSE2
SYSTEM_H
SC_FINE
HUE
CHROMA_LEVEL
VIDEO_LEVEL
SET_UP
-9V
A_GND
9V
D_GND
GND1
REM[10] L6017 VLP0145-T
REM[9] L6012 VLP0145-T
REM[4] L6016 VLP0145-T
REM[3] L6011 VLP0145-T
REM[8] L6015 VLP0145-T
REM[6] L6010 VLP0145-T
REM[1] L6014 VLP0145-T
REM[7] L6009 VLP0145-T
REM[0] L6013 VLP0145-T
REM[5] L6008 VLP0145-T
REM[2] L6007 VLP0145-T
15P
J6002
VJP3414A015
SET_UP
CHROMA_LEVEL
A_GND
9V
SYSTEM_H
SC_COARSE2
-9V
HUE
VIDEO_LEVEL
RET_GND
VIDEO_PHASE
SC_FINE
SC_COARSE1
C4223 0.1/UFN
C4224 0.1/UFN
REM[0]
REM[1]
REM[2]
REM[3]
REM[4]
REM[5]
REM[6]
REM[7]
REM[10]
REM[8]
REM[9]
GND1

COMPONENT NAME	REAR JACK	01/02
CIRCUIT BOARD NO.	MODEL NO.	
VEP84321A	AJ-D95DC	
	SCM119	


(1)>>VIDEO_IN
(1)>>PB_IN
(1)>>PR_IN
+5.6V>>(1)
L4201
100U/LC
R4203
4700/J6
R4204
100/J6
R4206
33/J6
R4209
4700/J6
R4210
100/J6
R4212
33/J6
R4215
4700/J6
R4216
100/J6
R4218
33/J6
R4223
4700/J6
R4224
100/J6
C4206
0.1/UFN
C4208
10V33/EKA
VIDEO IN
J4114
VJS3901
C4215
16V47/EKA
R4202
100/J6
C4218
16V47/EKA
R4208
100/J6
C4219
16V47/EKA
R4214
100/J6
C4220
16V47/EKA
R4221
100/J6
R4201
47K/J6
R4207
47K/J6
R4213
47K/J6
R4220
47K/J6
R4102
150/RE
R4103
150/RE
R4101
0/J6
XN4601-TX
Q4201
XN4601-TX
Q4202
XN4601-TX
Q4203
XN4601-TX
Q4204
R4239
33/J6
(2)>>REF_IN
D4211
MA152K-TX
D4213
MA152K-TX
D4215
MA152K-TX
D4216
MA152K-TX
R4205
2200/J6
R4211
2200/J6
R4217
2200/J6
R4225
2200/J6
R4240
0/J6
-5.6V>>(1)
L4202
100U/LC
J4201
VJS3901
REF IN
C4205
0.1/UFN
C4207
10V33/EKA
PB IN
J4115
VJS3901
J4202
VJS3901
SW4201
VSS0307
R4105
150/RE
R4106
150/RE
R4104
0/J6
R4219
150/RE
R4222
150/RE
PR IN
J4116
VJS3901
R4108
150/RE
R4109
150/RE
R4107
0/J6
GND1

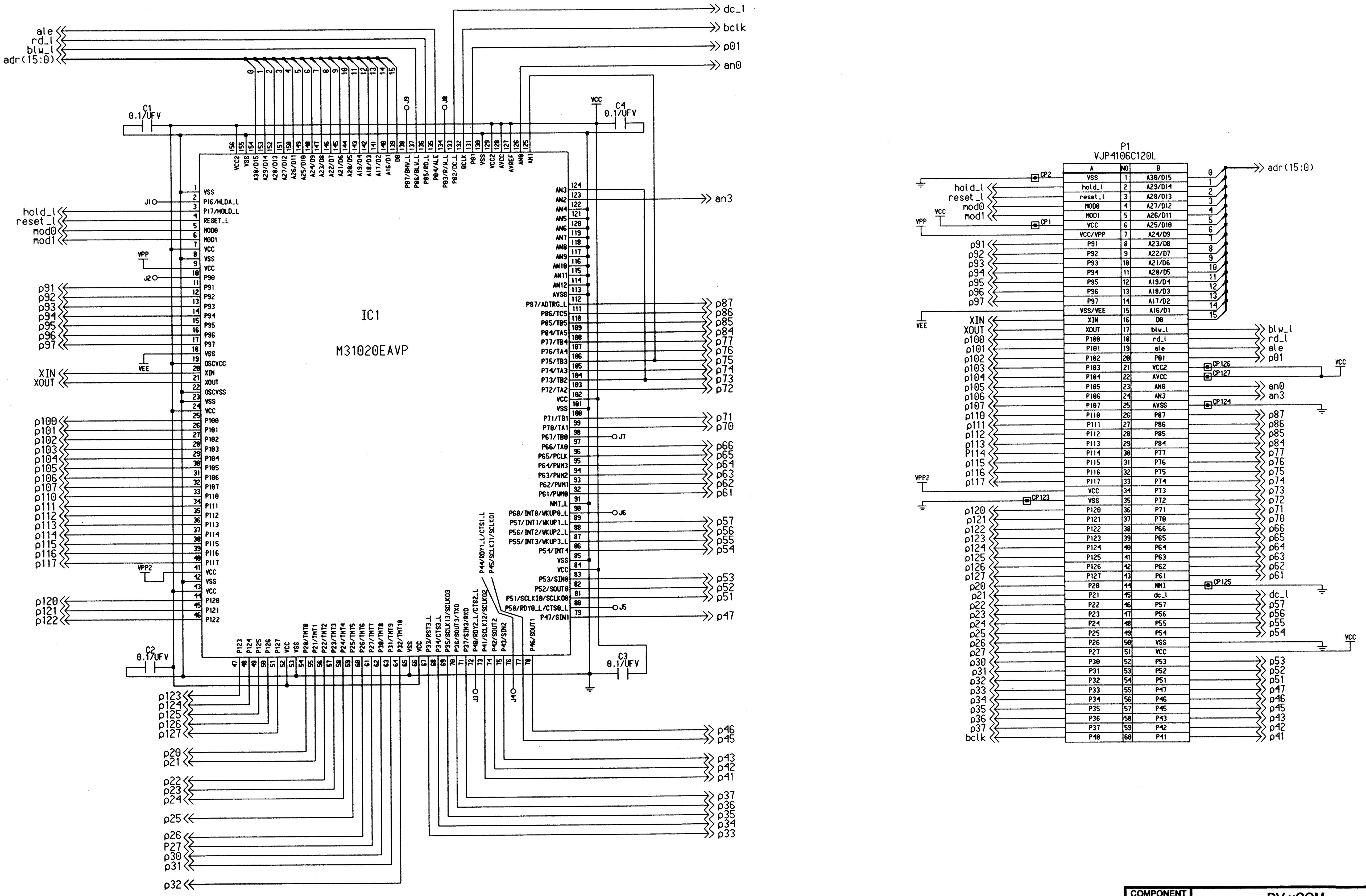
COMPONENT NAME	REAR JACK	02/02
CIRCUIT BOARD NO.	MODEL NO.	
VEP84321A	AJ-D95DC	
	SCM120	


C4009
0.01/UBN
C4001
0.01/UBN
CH1 OUT
CH1 IN
L4011
PAT/J6
L4012
VLP0145-T
J4003
VJS3417
L4013
PAT/J6
L4014
VLP0145-T
L4015
VLP0145-T
C4010
PAT/UBN
C4002
PAT/UBN
J4001
VJP3417
L4001
PAT/J6
L4002
VLP0145-T
L4003
PAT/J6
L4004
VLP0145-T
L4005
VLP0145-T
C4011
PAT/UBN
C4003
PAT/UBN
PAT/UBN C4012
PAT/UBN C4004
4
1
2
3
C4013
0.01/UBN
C4005
0.01/UBN
CH2 OUT
CH2 IN
L4016
PAT/J6
L4017
VLP0145-T
J4004
VJS3417
L4018
PAT/J6
L4019
VLP0145-T
L4020
VLP0145-T
PAT/UBN
C4014
C4008
PAT/UBN
J4002
VJP3417
L4006
PAT/J6
L4007
VLP0145-T
L4008
PAT/J6
L4009
VLP0145-T
L4010
VLP0145-T
C4015
PAT/UBN
C4006
PAT/UBN
PAT/UBN C4016
C4007
PAT/UBN
TO AV I/O
P4001
VJS3421A020
1 CH1_IN_H
2 CH1_IN_GND
3 CH1_IN_C
4 CH1_IN_GND
5 CH2_IN_H
6 CH2_IN_GND
7 CH2_IN_C
8 CH2_IN_GND
9 GND
10 CH1_OUT_H
11 CH1_OUT_GND
12 CH1_OUT_C
13 CH1_OUT_GND
14 CH2_OUT_H
15 CH2_OUT_GND
16 CH2_OUT_C
17 CH2_OUT_GND
18 FAN_DET
19 FAN_POWER
20 FAN_GND
P4103
VJP1230T
TO FAN1
1 FAN_POWER
2 FAN_DET
3 FAN_GND

Ref No.4000 Series

COMPONENT NAME	AUDIO JACK	01/01
CIRCUIT BOARD NO.	MODEL NO.	
VEP84322A	AJ-D95DC	

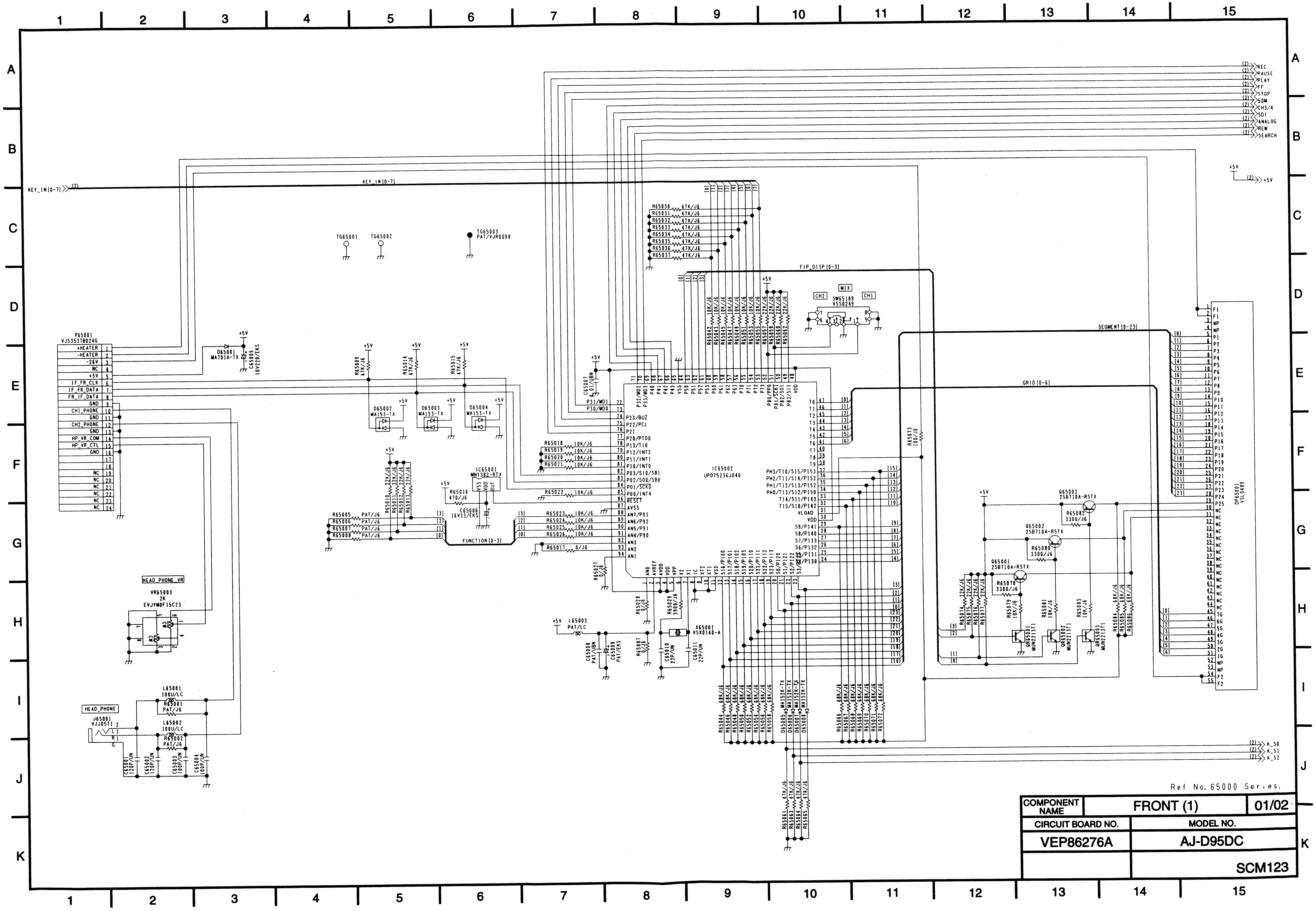
SCM121



IC1
M31020EAVP
P1
VJP4106C120L
C1 0.1/UFV
C2 0.1/UFV
C3 0.1/UFV
C4 0.1/UFV
VCC
VPP
VPP2
VEE
J1
J2
J3
J4
J5
J6
J7
J8
J9
CP1
CP2
CP123
CP124
CP125
CP126
CP127
ale
rd_l
blw_l
adr(15:0)
hold_l
reset_l
mod0
mod1
XIN
XOUT
dc_l
bclk
p01
an0
an3
p91 p92 p93 p94 p95 p96 p97
p100 p101 p102 p103 p104 p105 p106 p107
p110 p111 p112 p113 p114 p115 p116 p117
p120 p121 p122 p123 p124 p125 p126 p127
p20 p21 p22 p23 p24 p25 p26 p27
p30 p31 p32 p33 p34 p35 p36 p37
p41 p42 p43 p45 p46 p47
p51 p52 p53 p54 p55 p56 p57
p61 p62 p63 p64 p65 p66
p70 p71 p72 p73 p74 p75 p76 p77
p84 p85 p86 p87

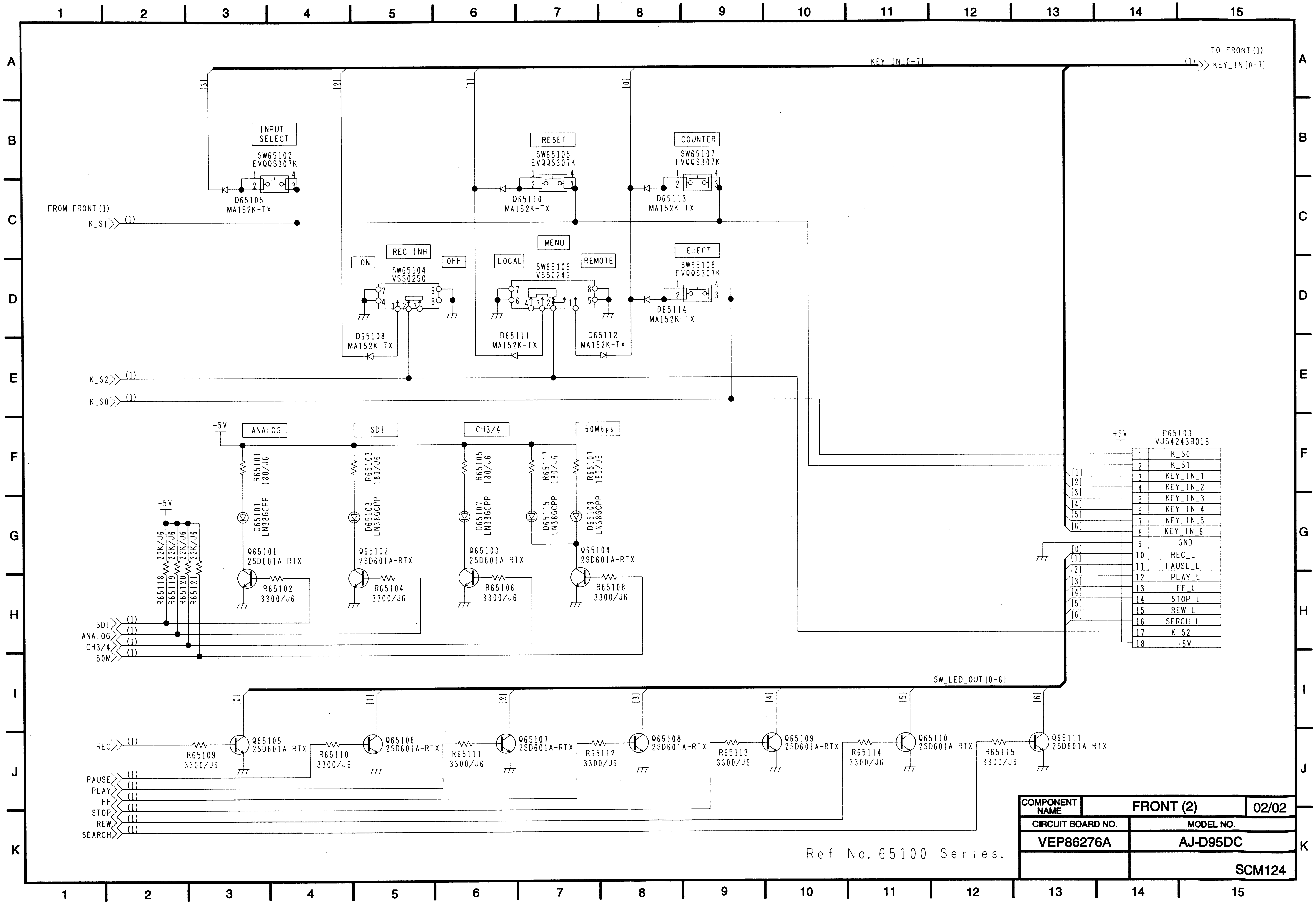
COMPONENT NAME	DV uCOM	01/01
CIRCUIT BOARD NO.	MODEL NO.	
VEP88234J	AJ-D95DC	

SCM122


KEY_IN[0-7]
P65001
VJS3537B024G
+HEATER
-HEATER
-26V
NC
+5V
IF_FR_CLK
IF_FR_DATA
FR_IF_DATA
GND
CH1_PHONE
CH2_PHONE
HP_VR_COM
HP_VR_CTL
D65001
MA701A-TX
C65005
10V220/EKS
TG65001
TG65002
TG65003
PAT/VJR0098
D65002
D65003
D65004
MA153-TX
IC65001
MN1382-RTX
FUNCTION[0-3]
IC65002
UPD75236J040
FIP_DISP[0-3]
SW65109
VSS0249
CH2
MIX
CH1
SEGMENT[0-23]
GRID[0-6]
Q65001
Q65002
Q65003
2SB710A-RSTX
QR65001
QR65002
QR65003
MUN2213T1
DP65001
VSL0489
HEAD_PHONE_VR
VR65003
2K
EVJYM0F15C23
HEAD_PHONE
J65001
VJJ0571
L65001
L65002
100U/LC
X65001
VSX0140-A
L65003
PAT/LC
REC
PAUSE
PLAY
FF
STOP
SOM
CH3/4
SDI
ANALOG
REW
SEARCH
+5V
K_S0
K_S1
K_S2

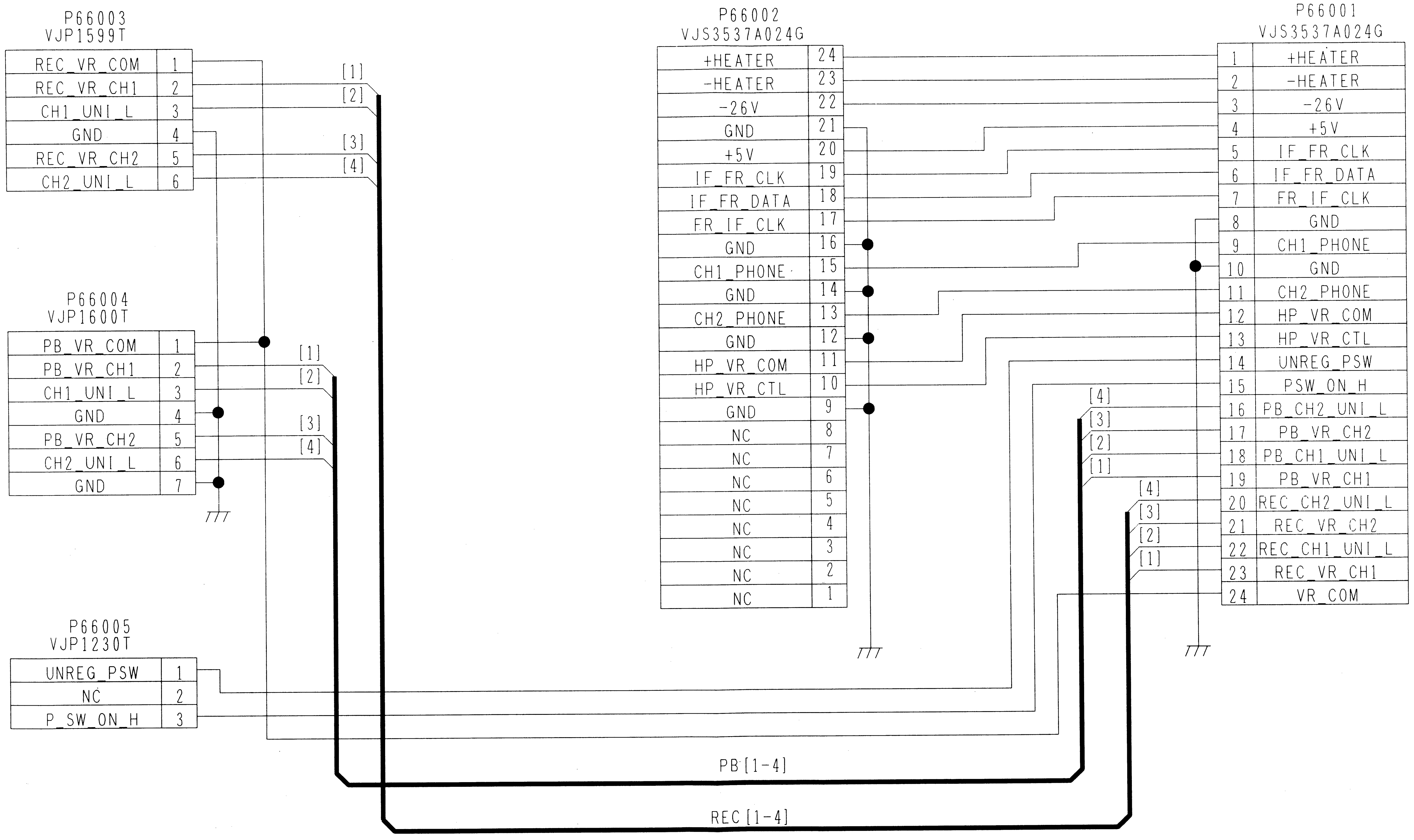
Ref No. 65000 Series.

COMPONENT NAME	FRONT (1)	01/02
CIRCUIT BOARD NO.	MODEL NO.	
VEP86276A	AJ-D95DC	
	SCM123	


TO FRONT (1)
KEY_IN[0-7]
(1)
KEY_IN[0-7]
[3]
[2]
[1]
[0]
INPUT SELECT
SW65102
EVQQS307K
D65105
MA152K-TX
RESET
SW65105
EVQQS307K
D65110
MA152K-TX
COUNTER
SW65107
EVQQS307K
D65113
MA152K-TX
FROM FRONT (1)
K_S1
(1)
REC INH
ON
OFF
SW65104
VSS0250
D65108
MA152K-TX
MENU
LOCAL
REMOTE
SW65106
VSS0249
D65111
MA152K-TX
D65112
MA152K-TX
EJECT
SW65108
EVQQS307K
D65114
MA152K-TX
K_S2
(1)
K_S0
(1)
+5V
ANALOG
SDI
CH3/4
50Mbps
R65101
180/J6
D65101
LN38GCPP
Q65101
2SD601A-RTX
R65102
3300/J6
R65103
180/J6
D65103
LN38GCPP
Q65102
2SD601A-RTX
R65104
3300/J6
R65105
180/J6
D65107
LN38GCPP
Q65103
2SD601A-RTX
R65106
3300/J6
R65117
180/J6
D65115
LN38GCPP
R65107
180/J6
D65109
LN38GCPP
Q65104
2SD601A-RTX
R65108
3300/J6
+5V
R65118
22K/J6
R65119
22K/J6
R65120
22K/J6
R65121
22K/J6
SDI
ANALOG
CH3/4
50M
(1)
+5V
P65103
VJS4243B018
1 K_S0
2 K_S1
3 KEY_IN_1
4 KEY_IN_2
5 KEY_IN_3
6 KEY_IN_4
7 KEY_IN_5
8 KEY_IN_6
9 GND
10 REC_L
11 PAUSE_L
12 PLAY_L
13 FF_L
14 STOP_L
15 REW_L
16 SERCH_L
17 K_S2
18 +5V
[1]
[2]
[3]
[4]
[5]
[6]
[0]
SW_LED_OUT[0-6]
[0]
[1]
[2]
[3]
[4]
[5]
[6]
REC
Q65105
2SD601A-RTX
R65109
3300/J6
Q65106
2SD601A-RTX
R65110
3300/J6
Q65107
2SD601A-RTX
R65111
3300/J6
Q65108
2SD601A-RTX
R65112
3300/J6
Q65109
2SD601A-RTX
R65113
3300/J6
Q65110
2SD601A-RTX
R65114
3300/J6
Q65111
2SD601A-RTX
R65115
3300/J6
PAUSE
PLAY
FF
STOP
REW
SEARCH
(1)

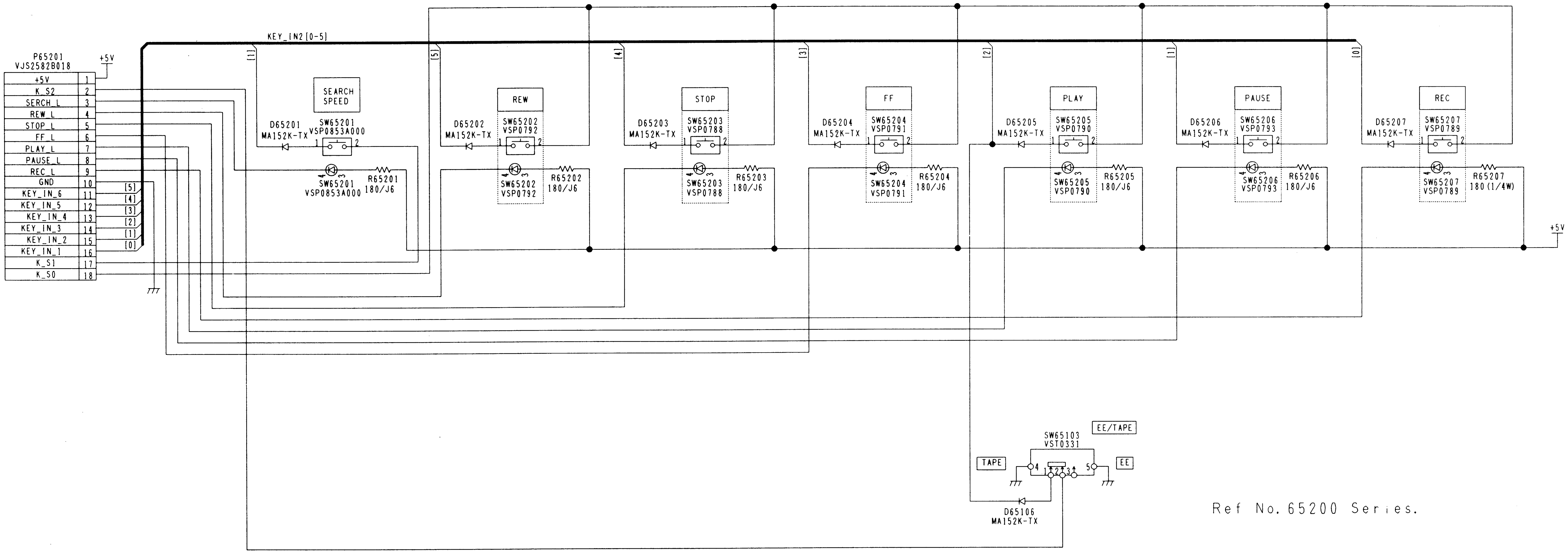
Ref No. 65100 Series.

COMPONENT NAME	FRONT (2)	02/02
CIRCUIT BOARD NO.	MODEL NO.	
VEP86276A	AJ-D95DC	
	SCM124	


P66003
VJP1599T
REC_VR_COM 1
REC_VR_CH1 2
CH1_UNI_L 3
GND 4
REC_VR_CH2 5
CH2_UNI_L 6
[1]
[2]
[3]
[4]
P66004
VJP1600T
PB_VR_COM 1
PB_VR_CH1 2
CH1_UNI_L 3
GND 4
PB_VR_CH2 5
CH2_UNI_L 6
GND 7
P66005
VJP1230T
UNREG_PSW 1
NC 2
P_SW_ON_H 3
P66002
VJS3537A024G
+HEATER 24
-HEATER 23
-26V 22
GND 21
+5V 20
IF_FR_CLK 19
IF_FR_DATA 18
FR_IF_CLK 17
GND 16
CH1_PHONE 15
GND 14
CH2_PHONE 13
GND 12
HP_VR_COM 11
HP_VR_CTL 10
GND 9
NC 8
NC 7
NC 6
NC 5
NC 4
NC 3
NC 2
NC 1
P66001
VJS3537A024G
1 +HEATER
2 -HEATER
3 -26V
4 +5V
5 IF_FR_CLK
6 IF_FR_DATA
7 FR_IF_CLK
8 GND
9 CH1_PHONE
10 GND
11 CH2_PHONE
12 HP_VR_COM
13 HP_VR_CTL
14 UNREG_PSW
15 PSW_ON_H
16 PB_CH2_UNI_L
17 PB_VR_CH2
18 PB_CH1_UNI_L
19 PB_VR_CH1
20 REC_CH2_UNI_L
21 REC_VR_CH2
22 REC_CH1_UNI_L
23 REC_VR_CH1
24 VR_COM
PB[1-4]
REC[1-4]

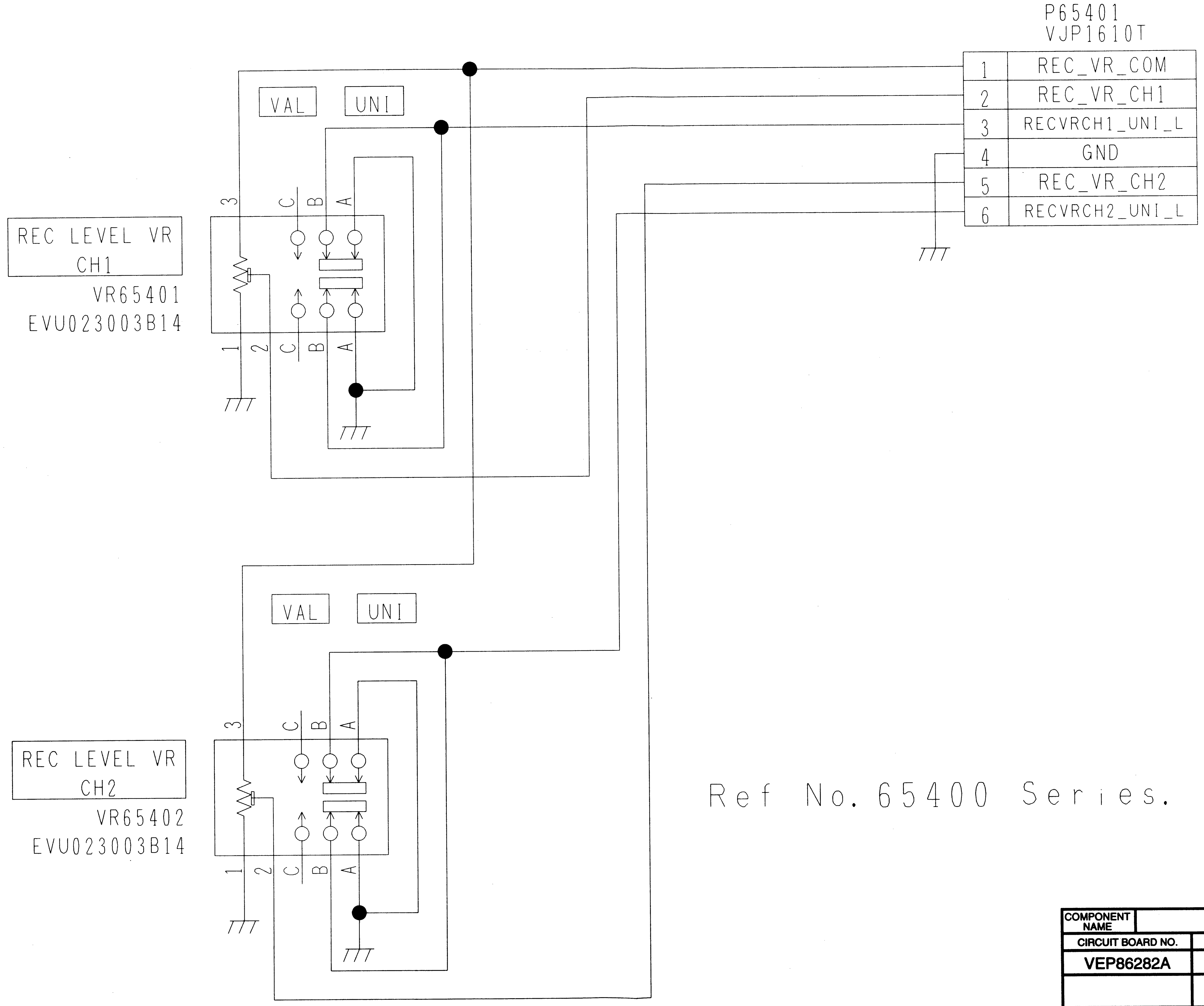
Ref No. 66000 Series.

COMPONENT NAME	FRONT CONNECT	01/01
CIRCUIT BOARD NO.	MODEL NO.	
VEP86278A	AJ-D95DC	
	SCM125	


KEY_IN2[0-5]
P65201
VJS2582B018
+5V
+5V 1
K_S2 2
SERCH_L 3
REW_L 4
STOP_L 5
FF_L 6
PLAY_L 7
PAUSE_L 8
REC_L 9
GND 10
KEY_IN_6 11
KEY_IN_5 12
KEY_IN_4 13
KEY_IN_3 14
KEY_IN_2 15
KEY_IN_1 16
K_S1 17
K_S0 18
[5]
[4]
[3]
[2]
[1]
[0]
SEARCH SPEED
D65201
MA152K-TX
SW65201
VSP0853A000
SW65201
VSP0853A000
R65201
180/J6
REW
D65202
MA152K-TX
SW65202
VSP0792
SW65202
VSP0792
R65202
180/J6
STOP
D65203
MA152K-TX
SW65203
VSP0788
SW65203
VSP0788
R65203
180/J6
FF
D65204
MA152K-TX
SW65204
VSP0791
SW65204
VSP0791
R65204
180/J6
PLAY
D65205
MA152K-TX
SW65205
VSP0790
SW65205
VSP0790
R65205
180/J6
PAUSE
D65206
MA152K-TX
SW65206
VSP0793
SW65206
VSP0793
R65206
180/J6
REC
D65207
MA152K-TX
SW65207
VSP0789
SW65207
VSP0789
R65207
180(1/4W)
+5V
EE/TAPE
SW65103
VST0331
TAPE
EE
D65106
MA152K-TX

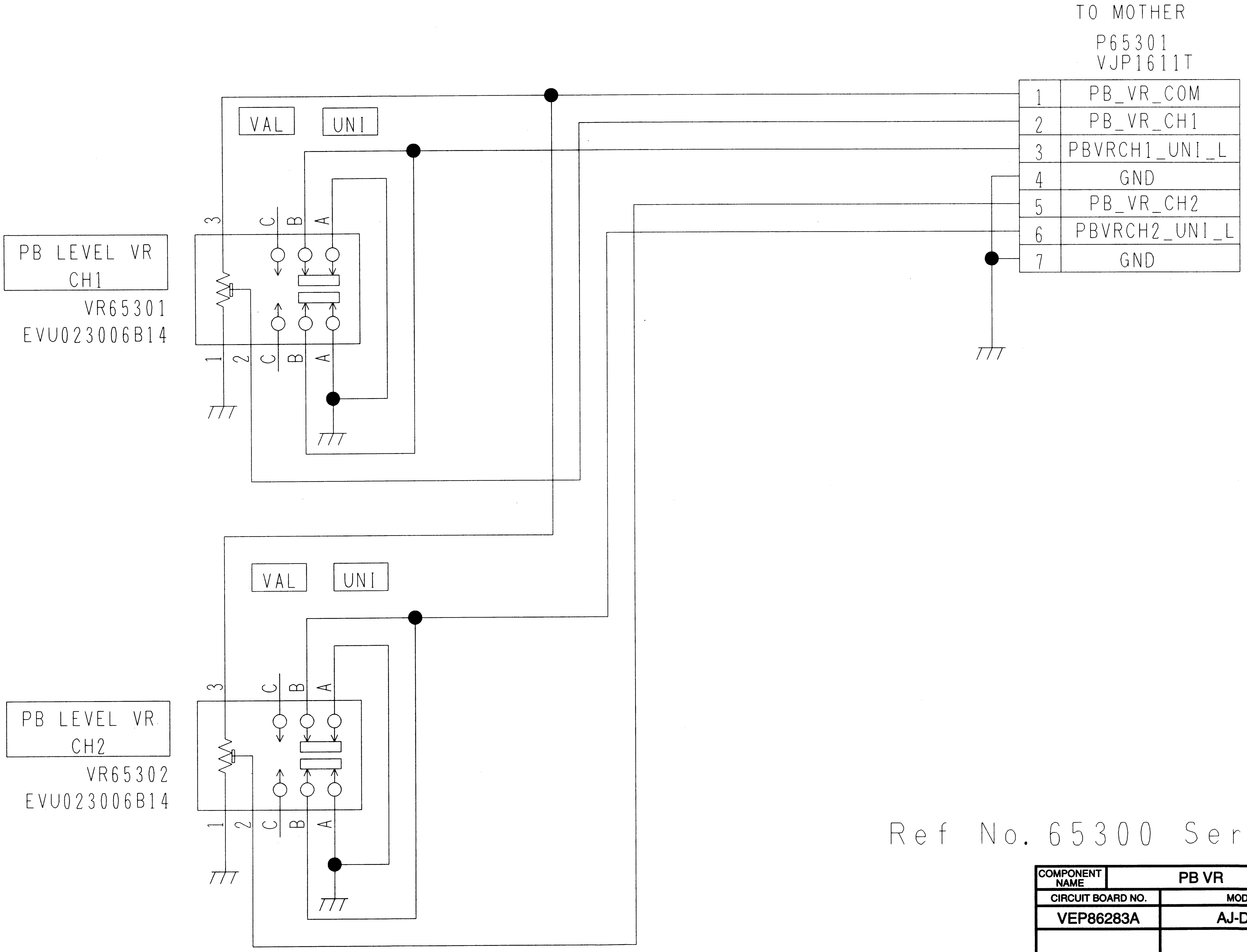
Ref No. 65200 Series.

COMPONENT NAME	KEY	01/01
CIRCUIT BOARD NO.	MODEL NO.	
VEP86281A	AJ-D95DC	
	SCM126	


P65401
VJP1610T
1 REC_VR_COM
2 REC_VR_CH1
3 RECVRCH1_UNI_L
4 GND
5 REC_VR_CH2
6 RECVRCH2_UNI_L
VAL
UNI
REC LEVEL VR CH1
VR65401
EVU023003B14
3
C
B
A
1
2
C
B
A
VAL
UNI
REC LEVEL VR CH2
VR65402
EVU023003B14
3
C
B
A
1
2
C
B
A

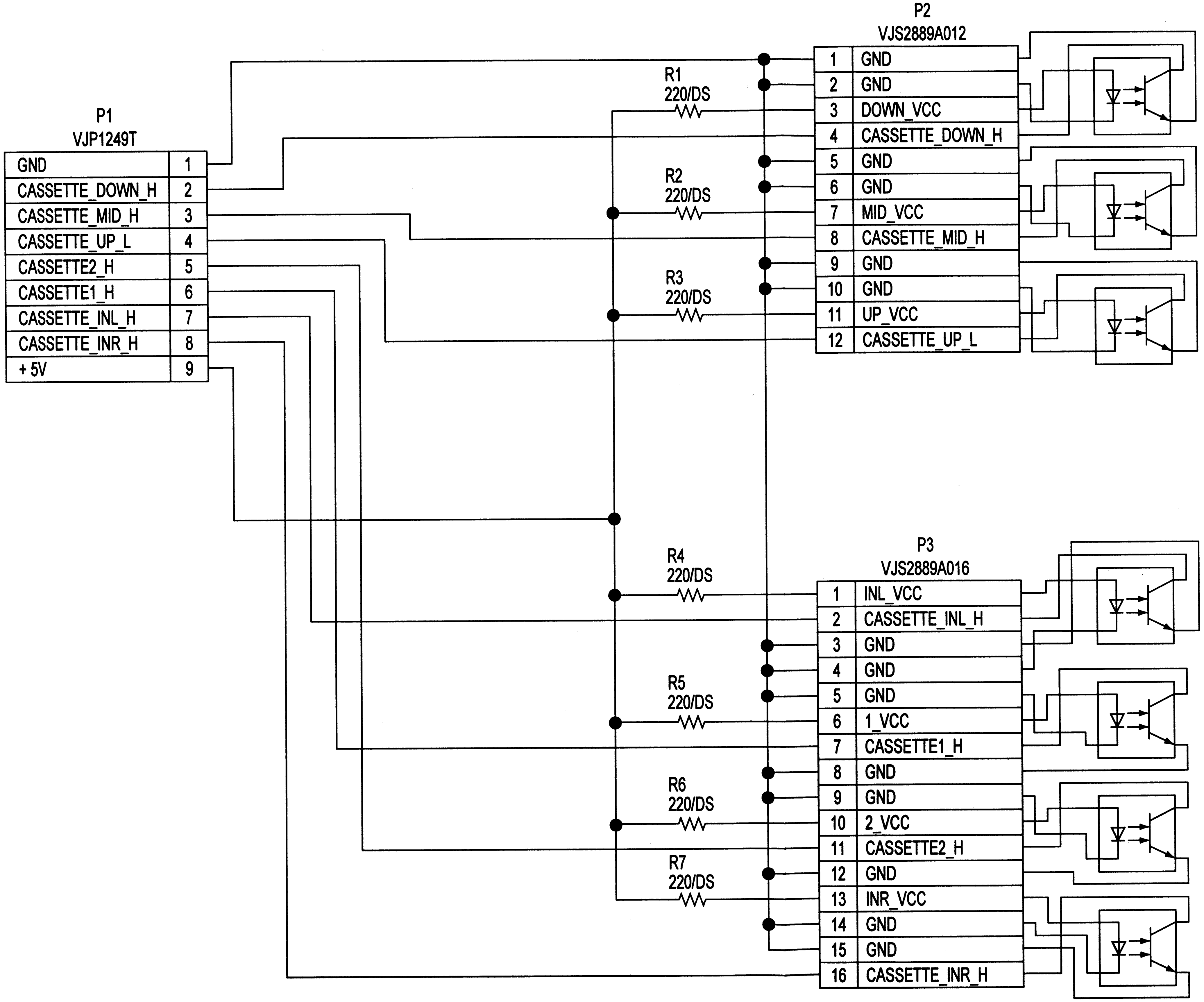
Ref No. 65400 Series.

COMPONENT NAME	REC VR	01/01
CIRCUIT BOARD NO.	MODEL NO.	
VEP86282A	AJ-D95DC	
	SCM127	


TO MOTHER
P65301
VJP1611T
1 PB_VR_COM
2 PB_VR_CH1
3 PBVRCH1_UNI_L
4 GND
5 PB_VR_CH2
6 PBVRCH2_UNI_L
7 GND
VAL
UNI
PB LEVEL VR CH1
VR65301
EVU023006B14
3
C
B
A
1
2
C
B
A
VAL
UNI
PB LEVEL VR CH2
VR65302
EVU023006B14
3
C
B
A
1
2
C
B
A

Ref No. 65300 Series.

COMPONENT NAME	PB VR	01/01
CIRCUIT BOARD NO.	MODEL NO.	
VEP86283A	AJ-D95DC	
	SCM128	


P1
VJP1249T
GND 1
CASSETTE_DOWN_H 2
CASSETTE_MID_H 3
CASSETTE_UP_L 4
CASSETTE2_H 5
CASSETTE1_H 6
CASSETTE_INL_H 7
CASSETTE_INR_H 8
+5V 9
R1
220/DS
R2
220/DS
R3
220/DS
R4
220/DS
R5
220/DS
R6
220/DS
R7
220/DS
P2
VJS2889A012
1 GND
2 GND
3 DOWN_VCC
4 CASSETTE_DOWN_H
5 GND
6 GND
7 MID_VCC
8 CASSETTE_MID_H
9 GND
10 GND
11 UP_VCC
12 CASSETTE_UP_L
P3
VJS2889A016
1 INL_VCC
2 CASSETTE_INL_H
3 GND
4 GND
5 GND
6 1_VCC
7 CASSETTE1_H
8 GND
9 GND
10 2_VCC
11 CASSETTE2_H
12 GND
13 INR_VCC
14 GND
15 GND
16 CASSETTE_INR_H

COMPONENT NAME	CARRIGE	01/01
CIRCUIT BOARD NO.	MODEL NO.	
VEP80856A	AJ-D95DC	
	SCM129	

SECTION 7

CIRCUIT BOARD DIAGRAMS

CONTENTS

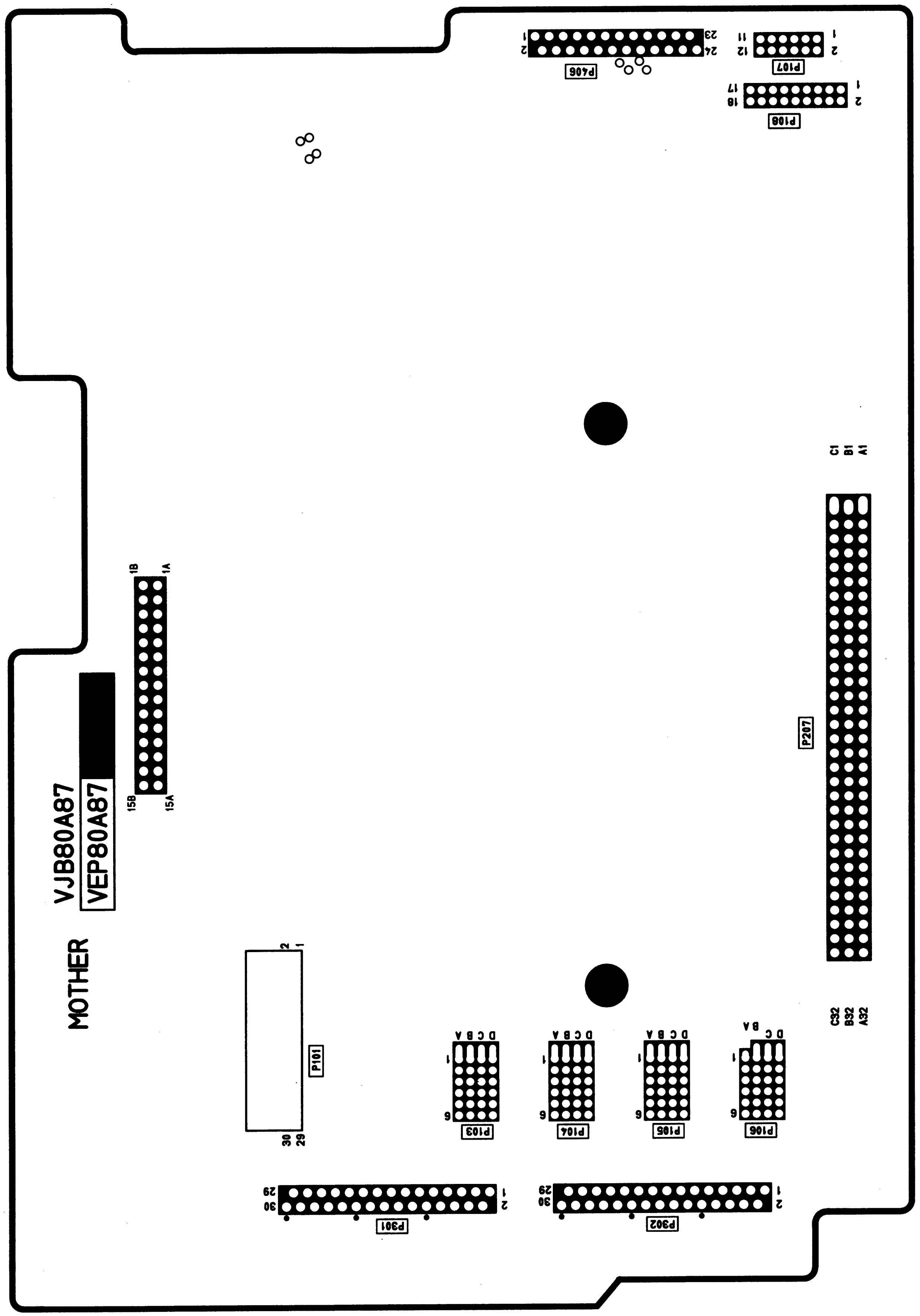
MOTHER P.C.BOARD (VEP80A87A) CBA-1
POWER 1 P.C.BOARD (VEP81203A) CBA-2
POWER 2 P.C.BOARD (VEP81187C) CSA-3
POWER 3 P.C.BOARD (VEP81188A) CBA-4
SERVO P.C.BOARD (VEP82218B) CBA-5
VIDEO I/O P.C.BOARD (VEP83426B) CBA-6
AUDIO P.C.BOARD (VEP84319B) CBA-7
RF AMP P.C.BOARD (VEP85172A) CBA-8
AV SYSCON P.C.BOARD (VEP86274B) CBA-9
REC PB P.C.BOARD (VEP83427B) CBA-10
DV uCOM P.C. BOARD (VEP88234Q) CBA-10
V IN P.C.BOARD (VEP83428B) CBA-11
V OUT P.C.BOARD (VEP83429B) CBA-12
AV I/O P.C.BOARD (VEP84320B) CBA-13
REAR JACK P.C.BOARD (VEP84321B) CBA-13
AUDIO JACK P.C.BOARD (VEP84322B) CBA-13
FRONT P.C.BOARD (VEP86276A)/PB VR P.C.BOARD (VEP86283A)/
    REC VR P.C. BOARD (VEP86282A) CBA-14
KEY P.C.BOARD (VEP86281A) CBA-15
FRONT CONNECT P.C.BOARD (VEP86278A) CBA-15
POWER 1 SUB P.C.BOARD (VEP81189A) CBA-16
SV-uCOM P.C.BOARD (VEP80A89D/E) CBA-16
POWER CONNECT P.C.BOARD (VEP80A88A) CBA-16

IMPORTANT SAFETY NOTICE

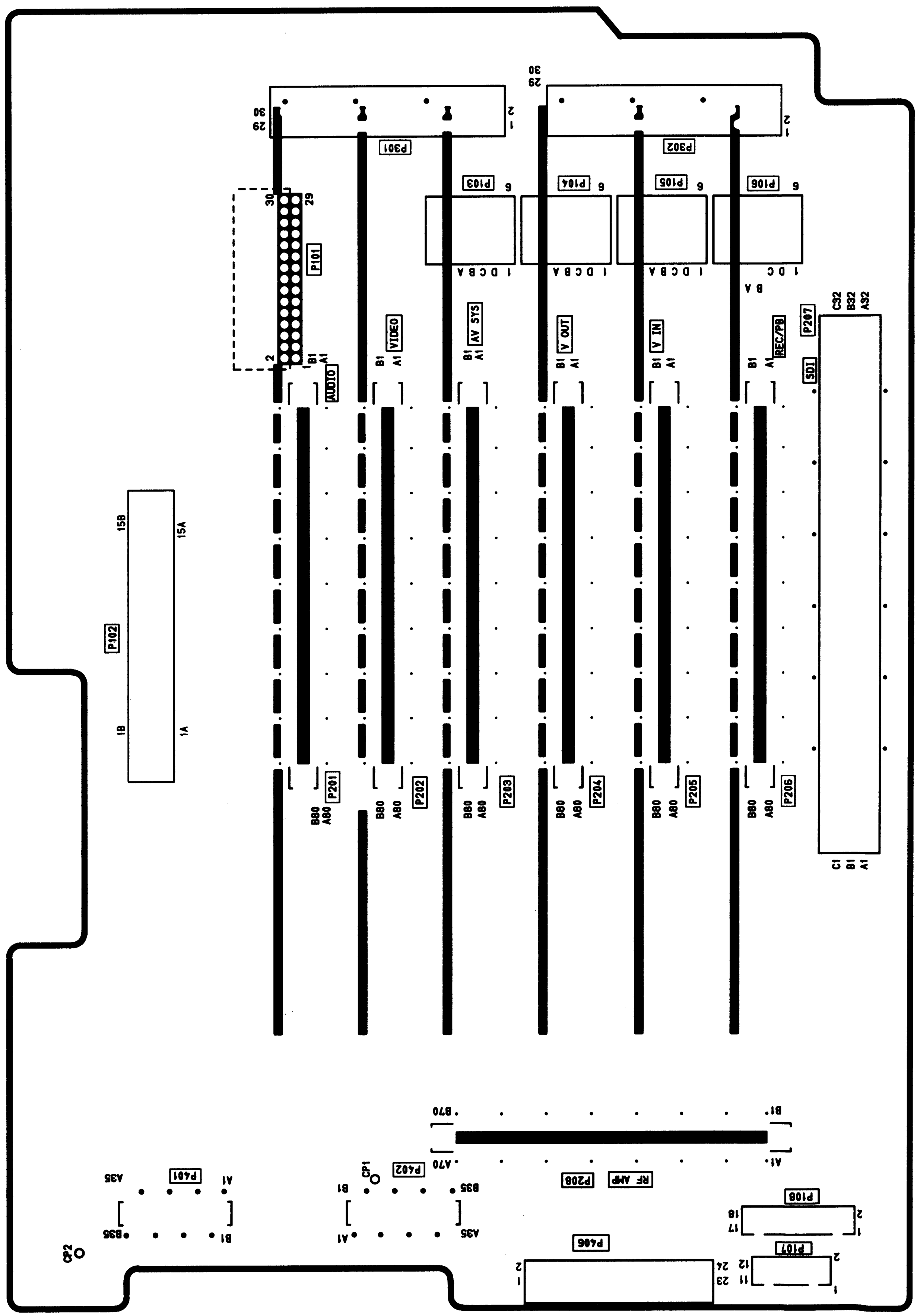
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR OEDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

MOTHER P.C.BOARD (VEP80A87A)


MOTHER
VJB80A87
VEP80A87
P101
P103
P104
P105
P106
P107
P108
P207
P301
P302
P406

(FOIL SIDE)

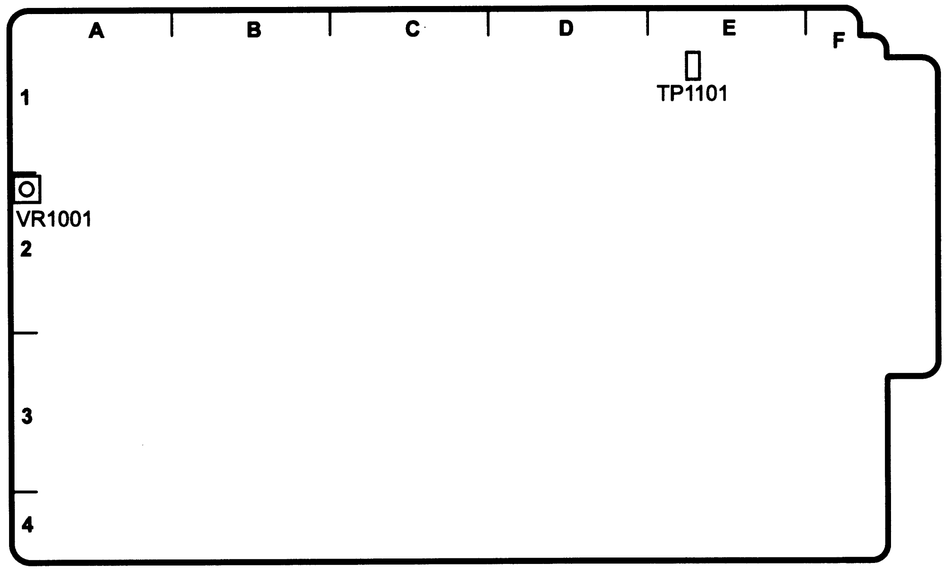

P301
P302
P101
P102
P103
P104
P105
P106
AUDIO
VIDEO
AV SYS
V OUT
V IN
REC/PB
SDI
P201
P202
P203
P204
P205
P206
P207
RF AMP
P208
P401
P402
P406
P107
P108
CP1
CP2

(COMPONENT SIDE)

POWER 1 P.C. BOARD (VEP81203A)

REF	LOC	REF	LOC
IC1101	E2	Q1103	E2
Q1102	E1		

REF	LOC	REF	LOC
P1001	F3	P1007	B1
P1002	D4	P1101	E2
P1003	D4	Q1001	C2
P1004	A1	Q1002	A2
P1005	A3	Q1101	B1
P1006	A2	TP1101	E1

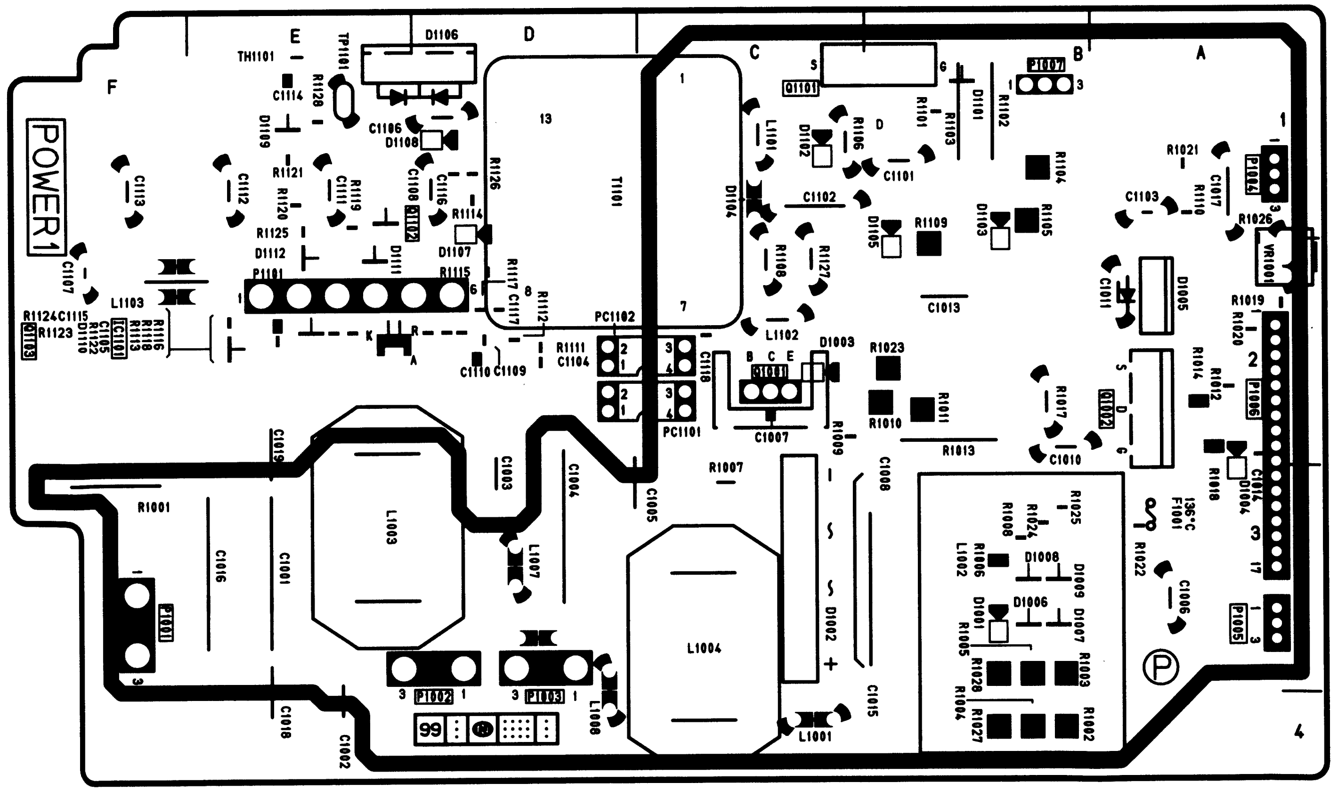

A
B
C
D
E
F
1
2
3
4
TP1101
VR1001

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS
USE ONLY THE SAME TYPE.

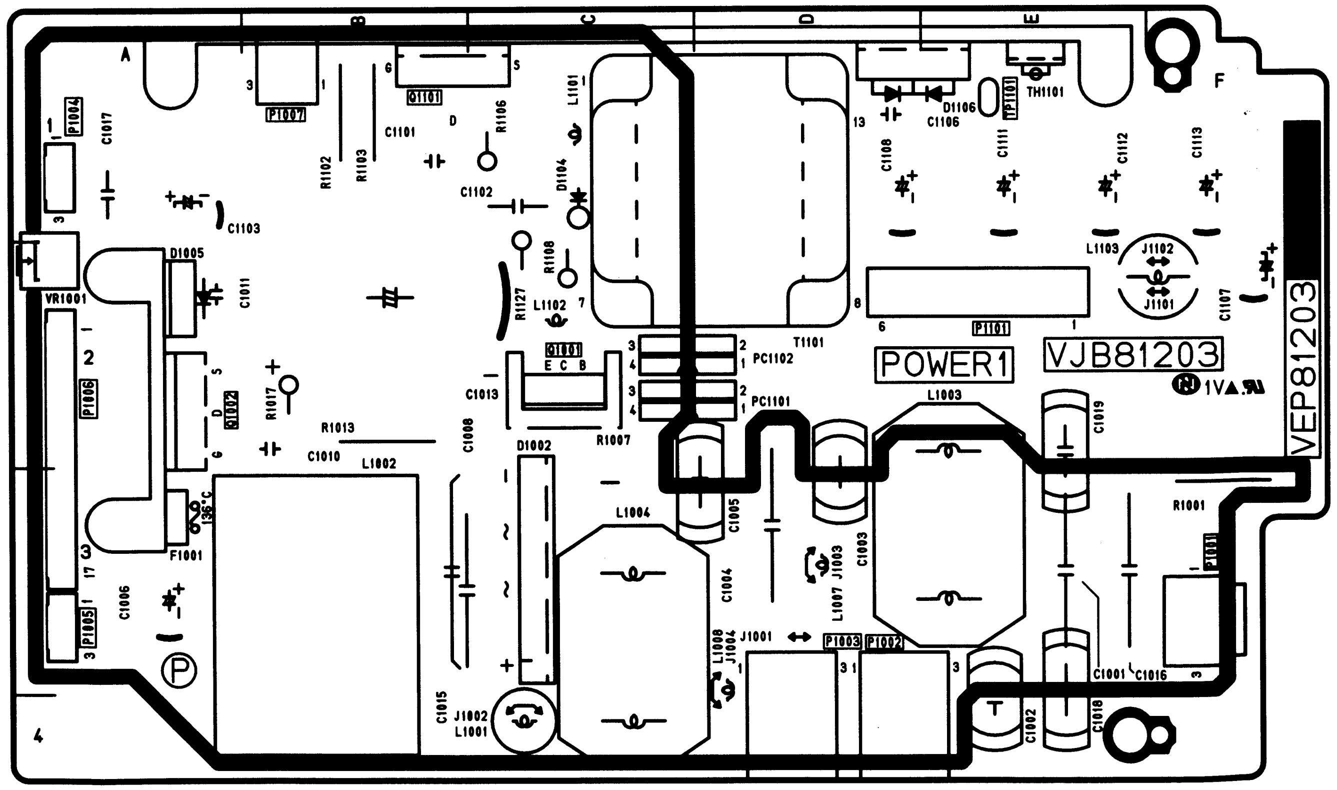
▭ 内は充電部です。AC100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

⚠ CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.


POWER1
F
E
D
C
B
A
1
2
3
4
TH1101
TP1101
D1106
T1101
P1101
P1007
Q1101
Q1001
Q1002
Q1102
Q1103
IC1101
PC1101
PC1102
VR1001
P1004
P1005
P1006
P1001
P1002
P1003
L1001
L1003
L1004
L1007
L1008
L1101
L1102
L1103
F1001
136°C
C1001
C1002
C1016
C1018
C1019
R1001

(FOIL SIDE)

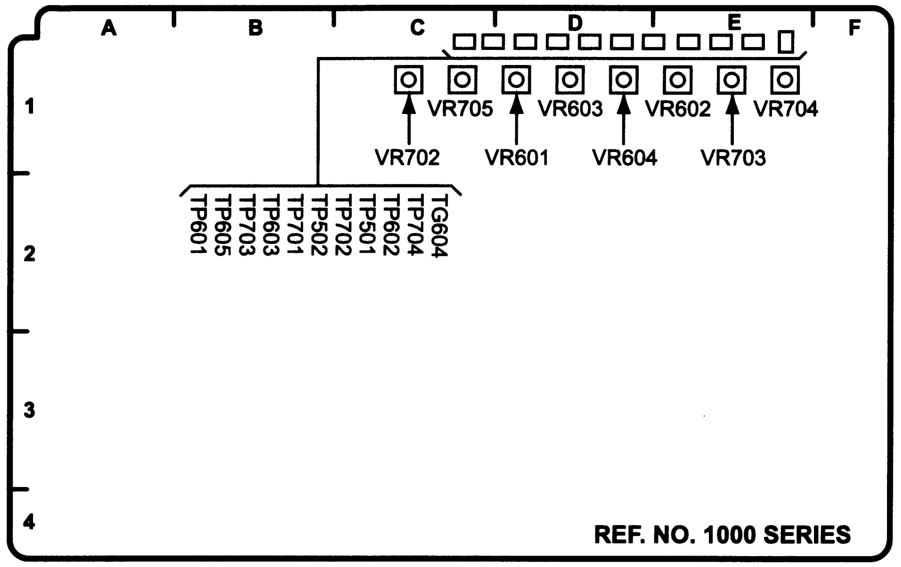

A
B
C
D
E
F
1
2
3
4
POWER1
VJB81203
VEP81203
1VA
P1004
P1007
Q1101
Q1001
Q1002
P1101
T1101
TH1101
TP1101
D1106
VR1001
P1006
P1005
P1001
P1002
P1003
PC1101
PC1102
L1001
L1002
L1003
L1004
L1007
L1101
L1102
L1103
J1001
J1002
J1003
J1004
J1101
J1102
F1001
136°C
C1001
C1002
C1016
C1018
C1019
R1001

(COMPONENT SIDE)

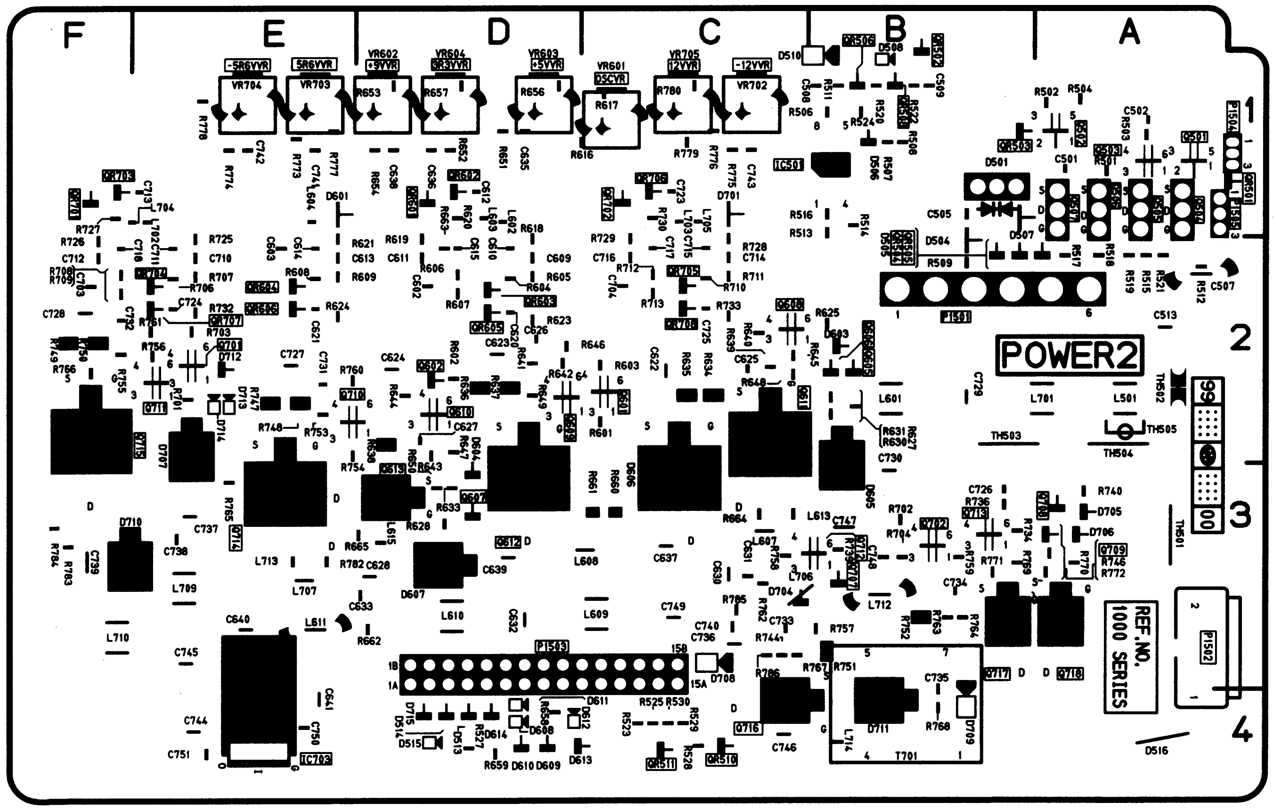
POWER 2 P.C. BOARD (VEP81187C)

REF	LOC	REF	LOC
IC1501	B1	Q1715	F3
IC1703	E4	Q1716	C4
Q1501	A1	Q1717	B3
Q1502	A1	Q1718	A3
Q1503	A1	QR1501	A1
Q1601	C2	QR1502	B1
Q1602	D2	QR1503	B1
Q1605	B2	QR1504	B2
Q1607	D3	QR1505	A2
Q1608	C2	QR1506	B1
Q1609	D2	QR1508	B1
Q1610	D2	QR1601	D1
Q1611	C3	QR1602	D1
Q1612	D3	QR1603	D2
Q1613	D3	QR1604	E2
Q1701	E2	QR1605	D2
Q1702	B3	QR1606	E2
Q1707	B3	QR1701	F1
Q1708	A3	QR1702	C1
Q1709	A3	QR1703	F1
Q1710	D2	QR1704	E2
Q1711	E2	QR1705	C2
Q1712	B3	QR1706	C1
Q1713	B3	QR1707	E2
Q1714	E3	QR1708	C2

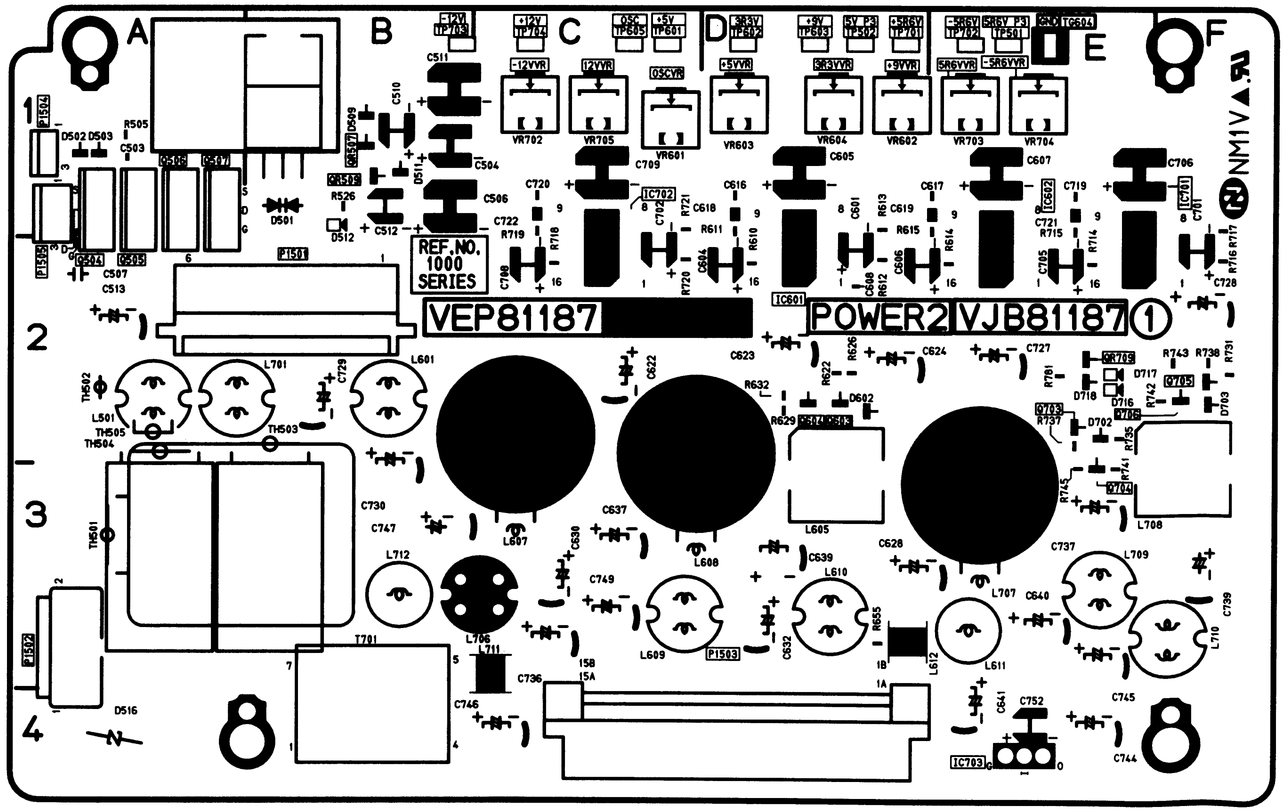
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.


A
B
C
D
E
F
1
2
3
4
VR705
VR603
VR602
VR704
VR702
VR601
VR604
VR703
TP601
TP605
TP703
TP603
TP701
TP502
TP702
TP501
TP602
TP704
TG604
REF. NO. 1000 SERIES

REF	LOC	REF	LOC
IC1601	D2	TG1604	E1
IC1602	E2	TP1501	E1
IC1701	E2	TP1502	D1
IC1702	C2	TP1601	C1
P1501	B2	TP1602	D1
P1502	A4	TP1603	D1
P1503	D4	TP1605	C1
P1504	A1	TP1701	D1
P1505	A1	TP1702	E1
Q1505	A2	TP1703	B1
Q1506	A2	TP1704	C1
Q1507	A2	VR1601	C1
Q1603	D2	VR1602	D1
Q1703	E2	VR1603	D1
Q1705	F2	VR1604	D1
QR1507	B1	VR1703	E1
QR1509	B1	VR1704	E1
QR1709	E2		


F
E
D
C
B
A
1
2
3
4
POWER2
REF.NO.
1000 SERIES
VR704
VR703
VR602
VR604
VR603
VR601
VR705
VR702
P1501
P1503
P1502
T701
IC1703

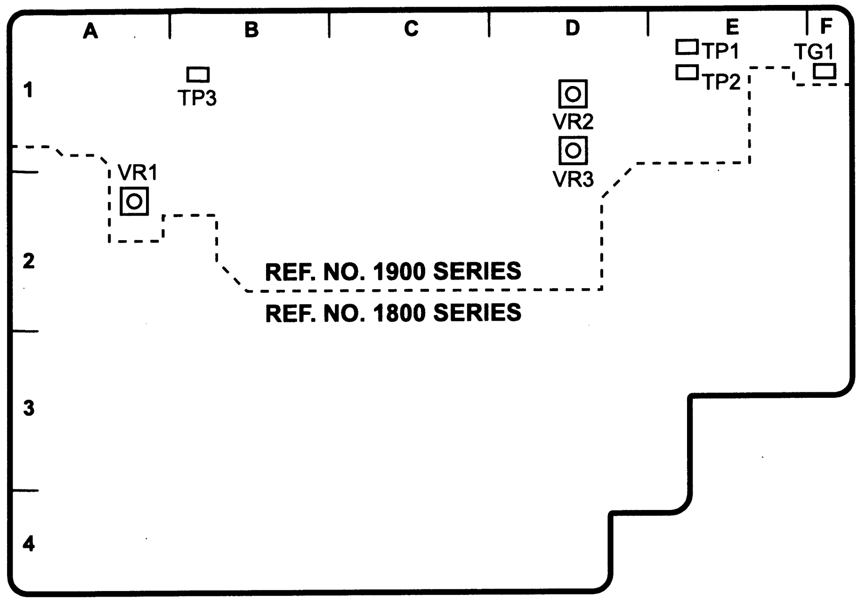
(FOIL SIDE)


A
B
C
D
E
F
1
2
3
4
VEP81187
POWER2
VJB81187
①
REF.NO.
1000
SERIES
NM1V
T701
P1501
P1503
P1502
IC1703

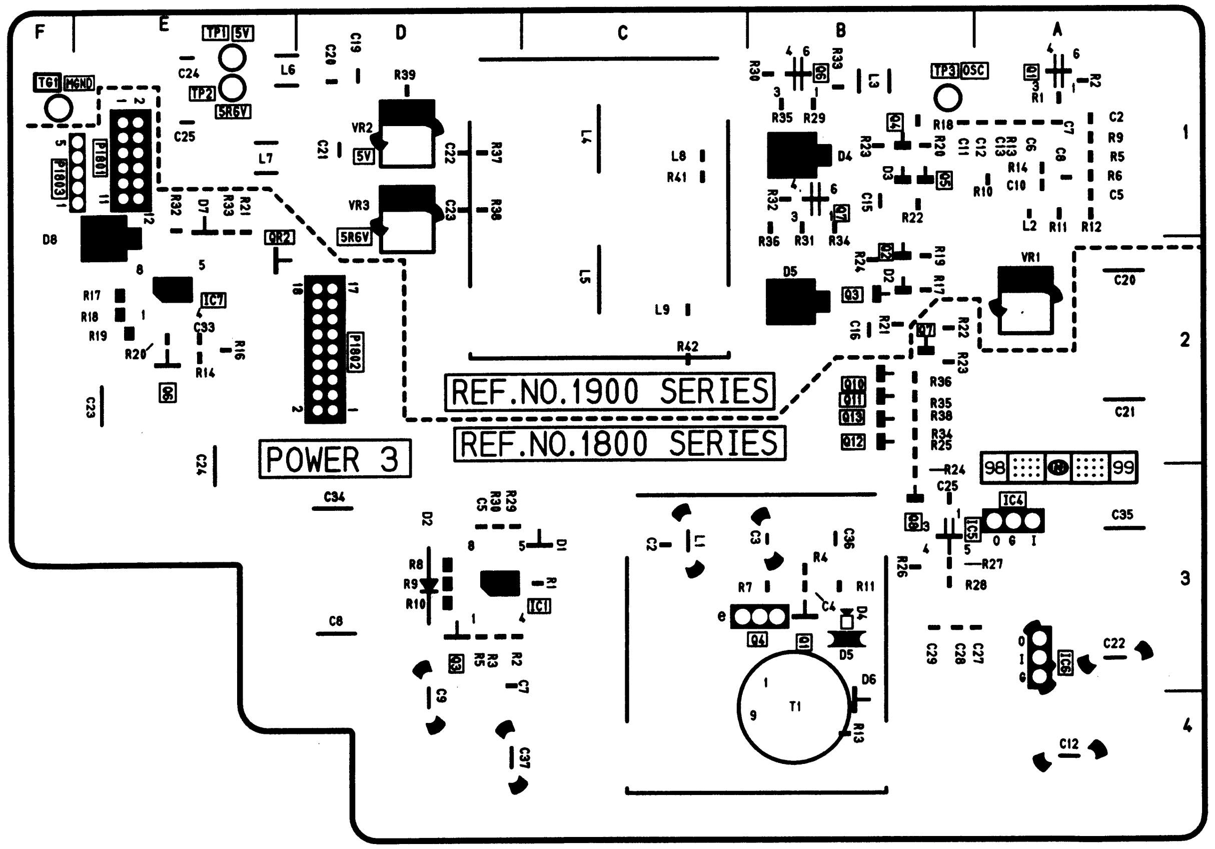
(COMPONENT SIDE)

POWER 3 P.C.BOARD (VEP81188A)

REF	LOC
IC1801	D3
IC1805	B3
IC1807	E2
Q1801	B3
Q1803	D3
Q1806	E2
Q1807	B2
Q1808	B3
Q1810	B2
Q1811	B2
Q1812	B2
Q1901	A1
Q1902	B2
Q1904	B1
Q1906	B1
Q1907	B1
QR1802	E2


A
B
C
D
E
F
1
2
3
4
TP1
TP2
TG1
TP3
VR1
VR2
VR3
REF. NO. 1900 SERIES
REF. NO. 1800 SERIES

REF	LOC	REF	LOC
IC1802	B3	TP1901	E1
IC1803	A3	TP1902	E1
IC1804	A3	TP1903	A1
IC1806	A3	VR1901	A2
IC1901	A1	VR1902	D1
P1801	E1	VR1903	D1
P1802	D2		
P1803	E1		
Q1802	C3		
Q1804	B3		
Q1805	E2		
Q1809	A3		
Q1908	B1		
Q1909	B2		
QR1901	A2		
QR1902	A2		
QR1903	A1		
QR1904	A1		
TG1901	E1		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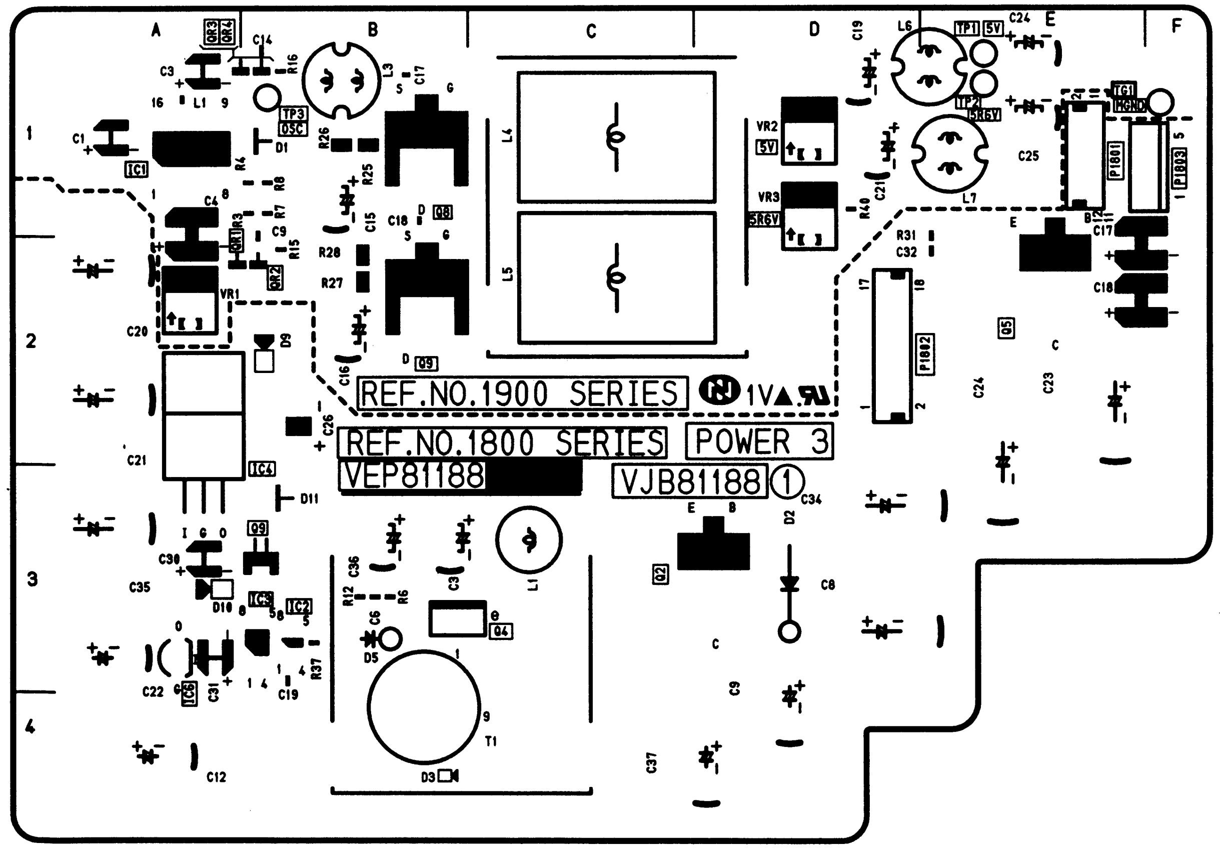
REF.NO.1900 SERIES
REF.NO.1800 SERIES
POWER 3

(FOIL SIDE)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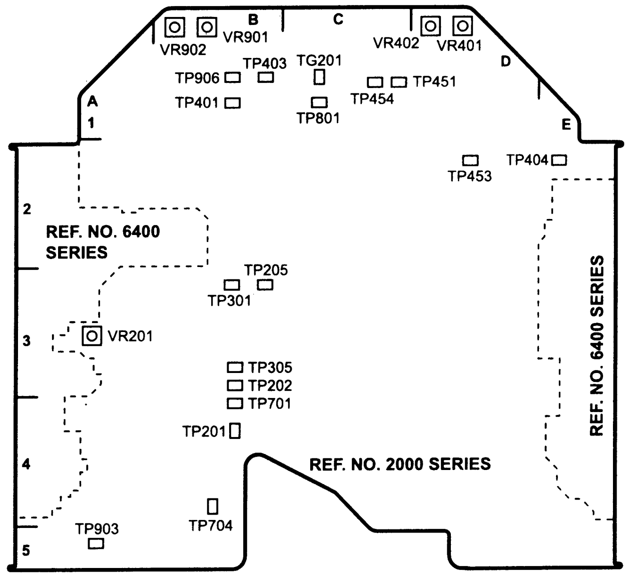
REF.NO.1900 SERIES
REF.NO.1800 SERIES
POWER 3
VEP81188
VJB81188 ①

(COMPONENT SIDE)

SERVO P.C. BOARD (VEP82218B)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC2102	C1	Q2501	C3	Q64009	A2	QR2201	B4	QR64214	A4
IC2103	C1	Q2502	D3	Q64010	D3	QR2401	B2	TP203	A4
IC2104	D2	Q2503	C2	Q64011	A2	QR2402	B2	TP204	A3
IC2106	C1	Q2506	D2	Q64012	E2	QR2450	D2	TP206	B4
IC2202	B3	Q2507	D5	Q64013	A2	QR2451	D2	TP302	A3
IC2203	A4	Q2510	D4	Q64014	E3	QR2703	B4	TP303	A3
IC2207	B3	Q2511	D4	Q64015	A2	QR2704	B5	TP304	D3
IC2210	A3	Q2512	D4	Q64016	E2	QR64001	D3	TP702	B4
IC2211	B3	Q2513	C4	Q64017	E2	QR64002	D3	TP703	B4
IC2301	D4	Q2514	C4	Q64018	E2	QR64003	D3		
IC2302	D3	Q2515	C4	Q64019	E4	QR64004	D3		
IC2303	C4	Q2516	C4	Q64020	A2	QR64005	A1		
IC2304	C3	Q2517	C4	Q64021	A3	QR64006	A1		
IC2307	C4	Q2518	C4	Q64022	E4	QR64007	A1		
IC2309	C3	Q2601	D2	Q64023	E4	QR64008	E2		
IC2404	C2	Q2602	D2	Q64024	D2	QR64009	E2		
IC2406	C2	Q2702	B4	Q64025	A3	QR64010	D2		
IC2503	D4	Q2703	B5	Q64026	D2	QR64011	E3		
IC2506	D4	Q2704	B5	Q64027	A3	QR64012	E3		
IC2701	B5	Q2705	A5	Q64028	E2	QR64014	E4		
IC2702	B4	Q2706	A5	Q64029	E4	QR64015	D2		
IC2703	B4	Q2707	B5	Q64030	E4	QR64016	E4		
IC2704	B4	Q2901	A5	Q64031	D2	QR64201	B1		
IC2705	A4	Q64003	E3	Q64032	E4	QR64202	B2		
IC2801	C1	Q64004	D3	Q64033	E4	QR64203	B2		
IC2906	A4	Q64005	D3	Q64034	E4	QR64204	B1		
IC2907	A5	Q64006	D3	Q64035	A2	QR64205	B2		
IC2908	D1	Q64007	D3	Q64201	A3	QR64212	A3		
IC2909	C2	Q64008	E3	Q64202	A4	QR64213	A3		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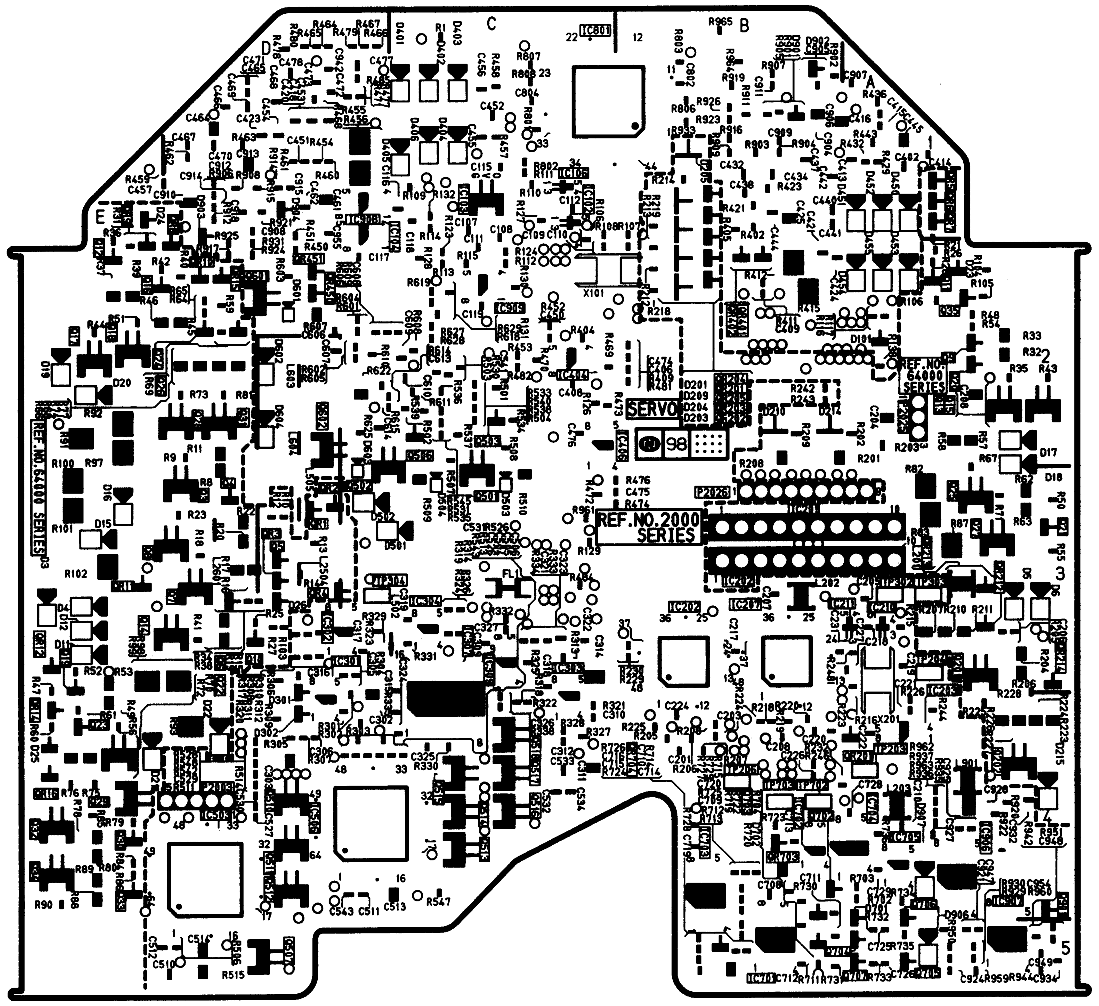
VR902
VR901
VR402
VR401
TP403
TG201
TP906
TP451
TP401
TP454
TP801
TP453
TP404
REF. NO. 6400 SERIES
TP205
TP301
VR201
TP305
TP202
TP701
TP201
REF. NO. 2000 SERIES
REF. NO. 6400 SERIES
TP903
TP704

REF	LOC	REF	LOC	REF	LOC
IC2204	B3	P2014	A3	Q2509	D4
IC2205	B3	P2015	A3	Q2701	B4
IC2206	A3	P2016	A2	Q2708	B5
IC2208	A4	P2017	C1	Q64203	A4
IC2305	C3	P2018	E2	QR2501	C2
IC2308	C3	P2019	E3	QR2502	C2
IC2401	B1	P2020	E4	QR64013	A2
IC2402	D1	P2021	E4	TG201	C1
IC2405	D1	P2022	D5	TP201	B4
IC2407	C1	P2024	E3	TP202	B4
IC2502	C2	P2025	A2	TP205	B3
IC2601	D2	P2026	B3	TP301	B3
IC2602	C2	P2030	B5	TP305	B3
IC2901	B1	P2032	A4	TP701	B4
IC2902	B1	P2033	C4	TP704	B4
IC2904	D1	P2034	A1	TP2401	B1
IC2905	D2	P2035	D1	TP2403	B1
IC64201	B3	P2036	D4	TP2404	E2
IC64202	B3	P2037	A5	TP2451	C1
P2001	C3	P2038	C1	TP2453	D2
P2002	B2	P2101	C2	TP2454	C1
P2003	D4	P2201	B4	TP2801	C1
P2011	B5	Q2504	C2	TP2903	A5
P2012	B1	Q2505	C2	TP2906	B1
P2013	A4	Q2508	D4	VR2201	A3


SERVO
98
REF.NO.2000 SERIES
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REF.NO. 6400 SERIES
IC801
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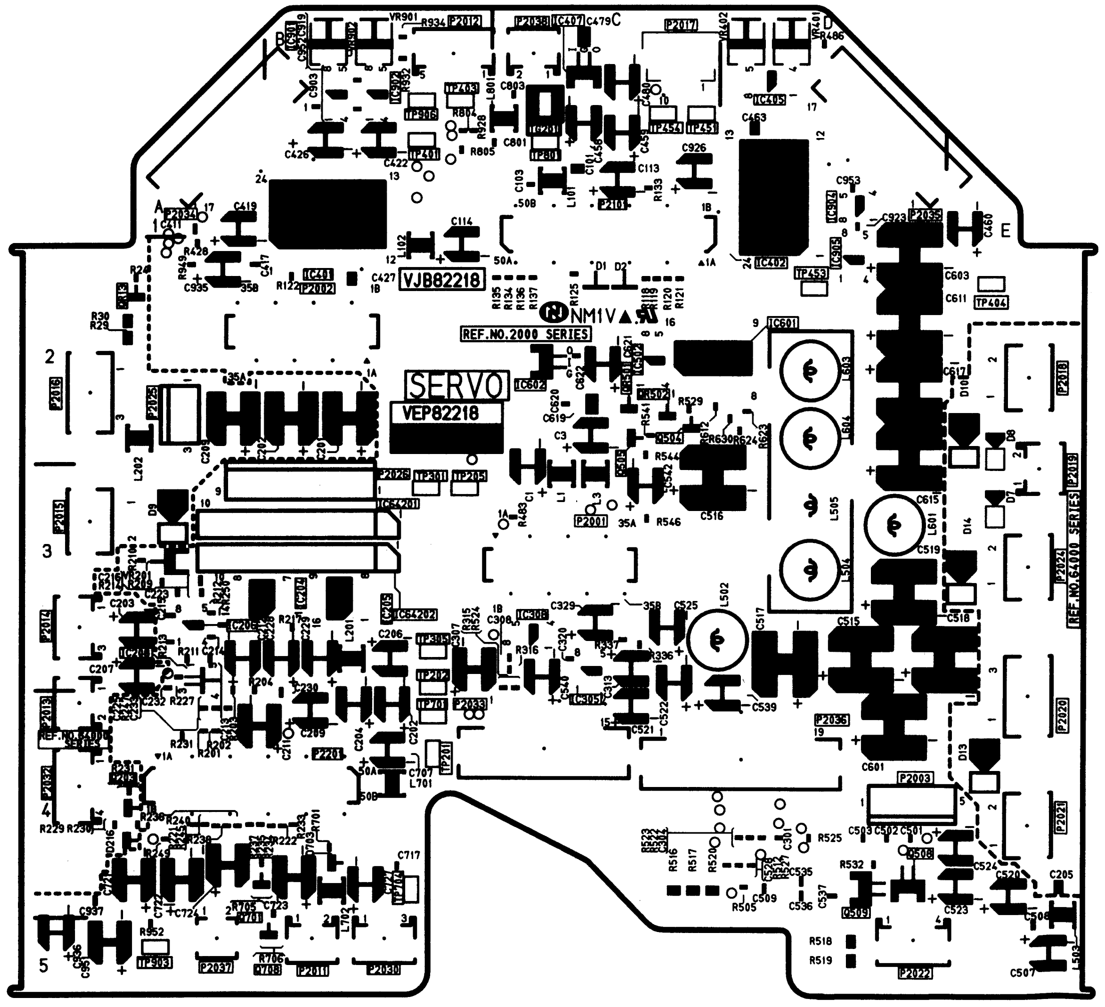
(FOIL SIDE)


SERVO
VEP82218
VJB82218
NM1V
REF.NO.2000 SERIES
REF.NO.6400 SERIES
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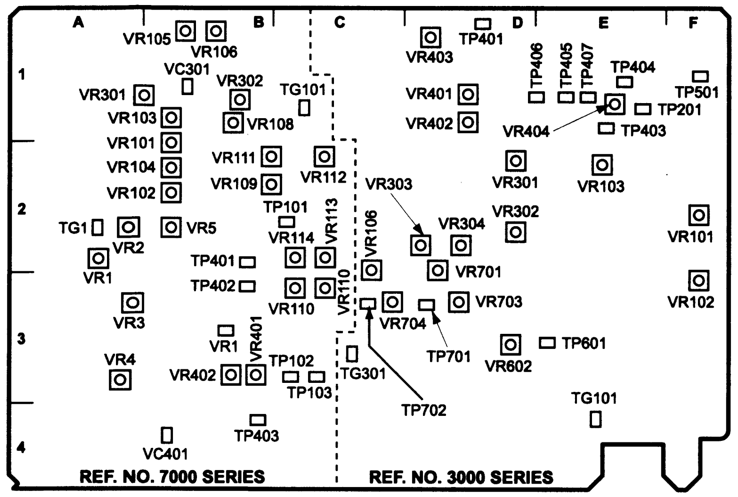
(COMPONENT SIDE)

VIDEO I/O P.C. BOARD (VEP83426B)

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC3101	F3	IC7001	A3	Q3310	D2	Q7302	A1
IC3103	F3	IC7003	B2	Q3402	E1	Q7303	A1
IC3104	E3	IC7004	A3	Q3601	E3	Q7304	A1
IC3106	F2	IC7007	B3	Q3701	C3	Q7305	A4
IC3107	E3	IC7103	B2	Q3702	D3	Q7306	A1
IC3108	E3	IC7305	A1	Q7001	A3	Q7307	A1
IC3109	E3	IC7402	B3	Q7002	A3	Q7309	B1
IC3110	E3	Q3101	E4	Q7003	A3	Q7310	B1
IC3201	F2	Q3102	E2	Q7007	B2	Q7311	B1
IC3202	E3	Q3103	F3	Q7013	B3	Q7315	A1
IC3301	C2	Q3104	E2	Q7014	B3	Q7402	B3
IC3401	C1	Q3105	E3	Q7015	B3	Q7403	B3
IC3402	C1	Q3106	E2	Q7017	B3	Q7404	B3
IC3403	D1	Q3107	E2	Q7101	A2	Q7405	C3
IC3406	E1	Q3108	E2	Q7102	A2	Q7407	B3
IC3407	D1	Q3201	D2	Q7103	B1	Q7302	A1
IC3408	E1	Q3202	D3	Q7104	B2	Q7303	A1
IC3409	C1	Q3203	D3	Q7105	B2		
IC3410	D1	Q3204	D3	Q7106	B2		
IC3411	D1	Q3301	D2	Q7107	C3		
IC3412	C1	Q3302	D2	Q7108	C3		
IC3502	E1	Q3303	D2	Q7109	C3		
IC3601	D3	Q3304	D2	Q7111	C3		
IC3604	D4	Q3305	D2	Q7115	C2		
IC3703	D3	Q3306	D2	Q7118	C2		
IC3704	C3	Q3307	C2	Q7120	C3		
IC3801	C4	Q3308	D2	Q7122	C3		
IC3803	B3	Q3309	C2	Q7301	A1		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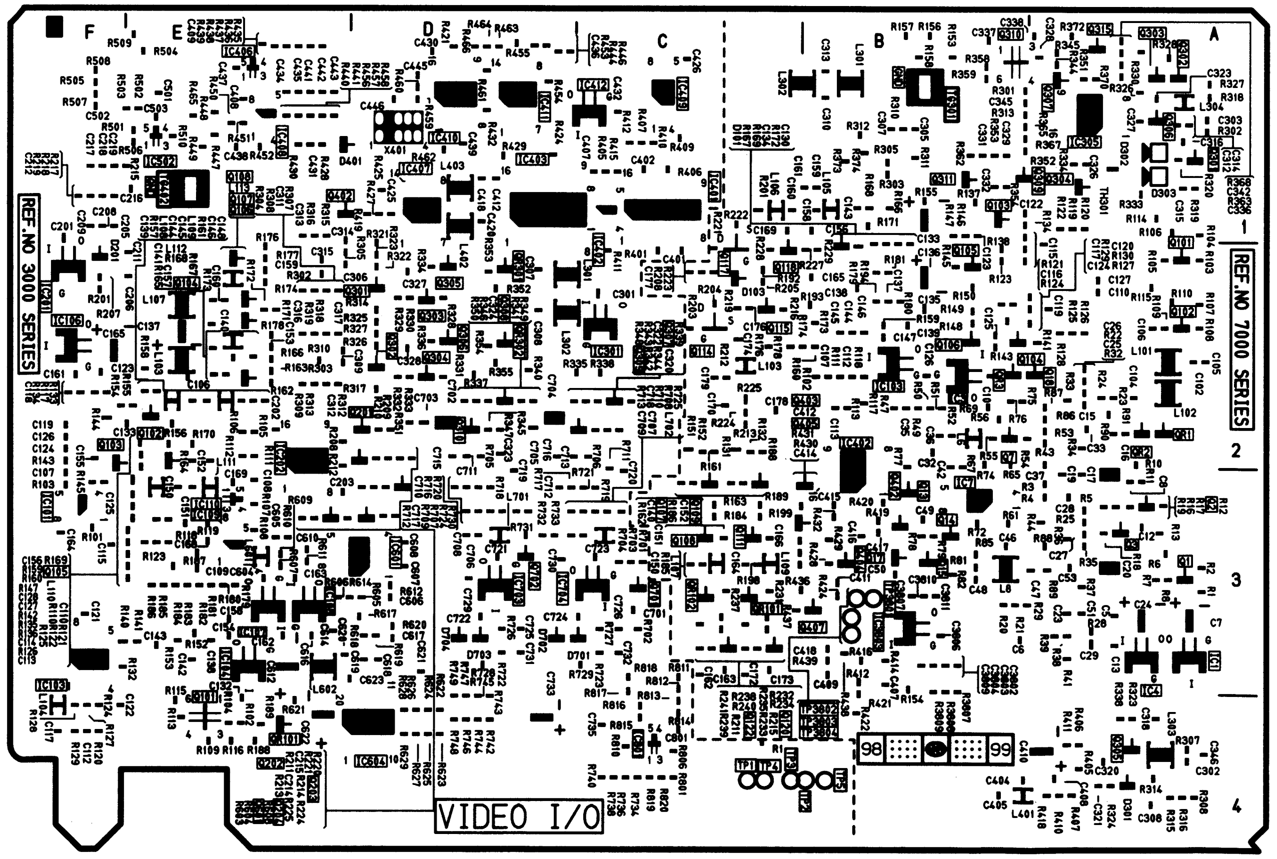
VR105
VR106
VC301
VR302
TG101
VR301
VR103
VR108
VR101
VR104
VR102
VR111
VR109
VR112
TP101
VR113
VR114
TG1
VR2
VR5
VR1
TP401
TP402
VR110
VR3
VR1
VR401
VR4
VR402
TP102
TP103
TP403
VC401
REF. NO. 7000 SERIES
VR403
TP401
TP406
TP405
TP407
TP404
TP501
TP201
VR401
VR402
VR404
TP403
VR303
VR301
VR103
VR106
VR304
VR302
VR101
VR701
VR110
VR704
VR703
VR102
TP701
TP601
VR602
TG301
TP702
TG101
REF. NO. 3000 SERIES

REF	LOC	REF	LOC	REF	LOC
IC3602	E4	TG3301	C3	VR3403	D1
IC7002	B3	TG7001	A2	VR3601	E3
IC7301	A1	TG7101	C1	VR3602	D3
IC7304	A4	TP3201	E1	VR3701	D3
P3001	C4	TP3401	D1	VR3702	C3
Q3401	C1	TP3403	E1	VR3703	D3
Q3403	D1	TP3404	E1	VR3704	C3
Q7004	B3	TP3405	E1	VR7001	A2
Q7005	B2	TP3406	E1	VR7002	A2
Q7006	B2	TP3407	E1	VR7003	A3
Q7008	B3	TP3501	F1	VR7004	A3
Q7009	B3	TP3601	E3	VR7005	B2
Q7010	B2	TP3701	D3	VR7103	B1
Q7011	B3	TP3702	C3	VR7104	B2
Q7012	B2	TP7001	B3	VR7105	B1
Q7016	B3	TP7101	C2	VR7106	B1
Q7110	C3	TP7102	C3	VR7107	C3
Q7112	C2	TP7103	C3	VR7108	B1
Q7113	C3	TP7401	B2	VR7109	C2
Q7116	C2	TP7402	B3	VR7110	C3
Q7119	C3	TP7403	B4	VR7112	C2
Q7121	C3	VR3102	F3	VR7113	C2
Q7308	A1	VR3103	E2	VR7114	C2
Q7312	B1	VR3301	D2	VR7301	B1
Q7313	B1	VR3302	D2	VR7302	B1
Q7314	A1	VR3303	D2	VR7401	B3
Q7401	B2	VR3304	D2	VR7402	B3
Q7406	C3	VR3401	D1		
TG3101	E4	VR3402	D1		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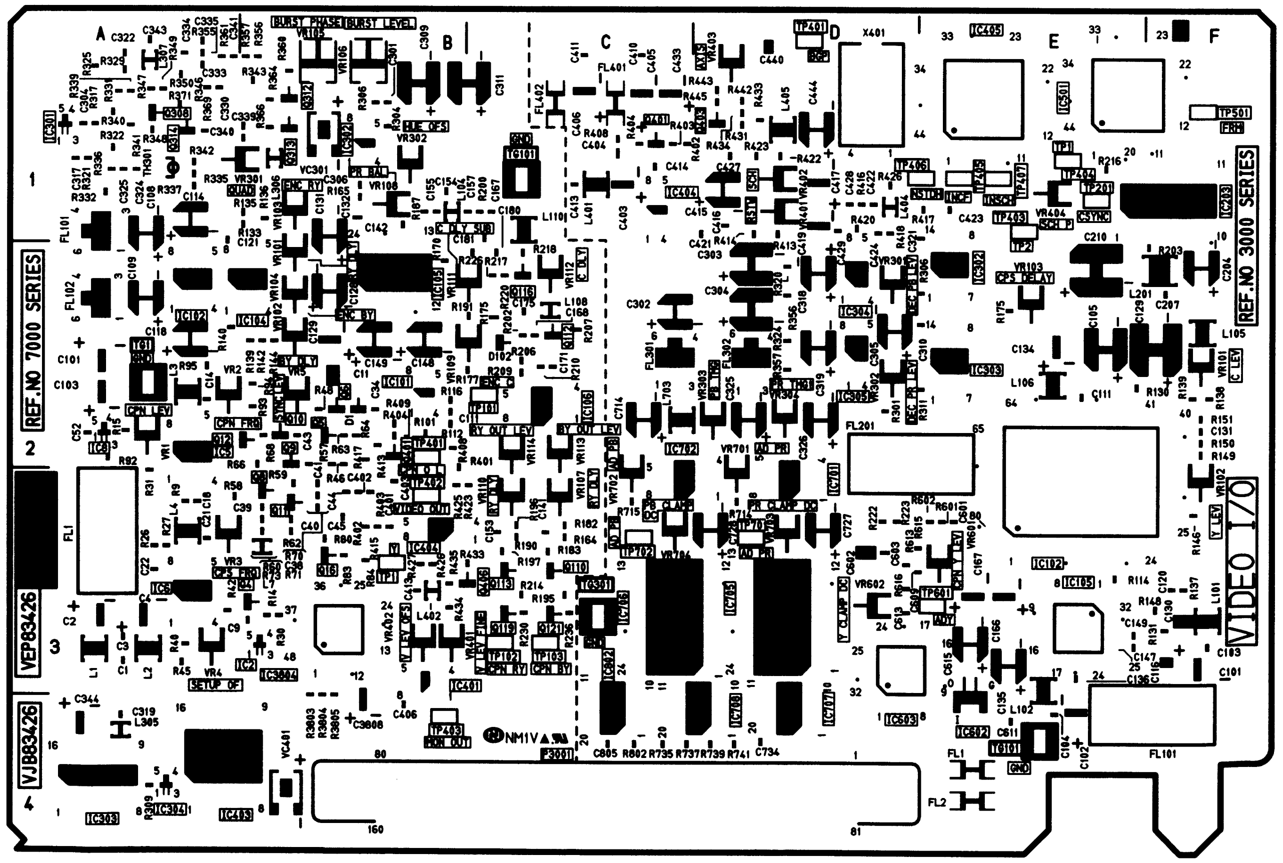
REF.NO 3000 SERIES
REF.NO 7000 SERIES
VIDEO I/O

(FOIL SIDE)


A
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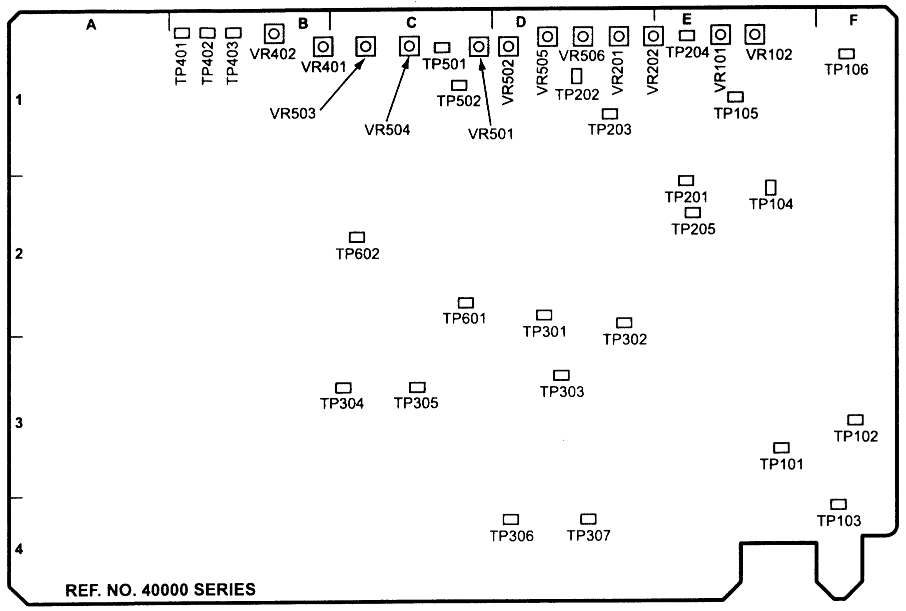
REF.NO 7000 SERIES
REF.NO 3000 SERIES
VEP83426
VJB83426
VIDEO I/O

(COMPONENT SIDE)

AUDIO P.C. BOARD (VEP84319B)

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC40001	B3	IC40309	D3	Q40201	D2	QR40102	E3
IC40002	A4	IC40310	D4	Q40202	D2	QR40103	E2
IC40003	A3	IC40311	D3	Q40301	B4	QR40104	E2
IC40004	A3	IC40312	C3	Q40302	B4	QR40201	D1
IC40005	A4	IC40313	C3	Q40303	D4	QR40202	D2
IC40103	E3	IC40316	D4	Q40304	C4	QR40203	D2
IC40105	F3	IC40317	E3	Q40401	A2	QR40204	D2
IC40107	E1	IC40318	E4	Q40402	A2	QR40205	D2
IC40108	F2	IC40319	C3	Q40403	B1	QR40301	C4
IC40109	F2	IC40320	C3	Q40404	B1	QR40302	B4
IC40110	E4	IC40401	B1	Q40405	A2	QR40401	A2
IC40111	E2	IC40507	D2	Q40406	C1	QR40402	C1
IC40112	E4	IC40508	C1	Q40407	B1	QR40403	C1
IC40113	D2	IC40604	C3	Q40408	B1	QR40404	B1
IC40114	E2	IC40606	B2	Q40409	B1	QR40405	A1
IC40115	E3	IC40607	C2	Q40410	A1	QR40503	C1
IC40116	F3	IC40608	D2	Q40411	A1	QR40504	C1
IC40201	D1	IC40702	B2	Q40412	A1	QR40505	B1
IC40203	E1	IC40703	B3	Q40601	C2	QR40506	B1
IC40204	D2	IC40704	B3	Q40602	C2	QR40507	B1
IC40205	D2	IC40706	B3	QR40001	E3	QR40601	B2
IC40301	D3	IC40707	B2	QR40002	E3	TP40603	C2
IC40304	D2	IC40802	C4	QR40003	A2		
IC40305	D2	Q40101	E3	QR40004	A2		
IC40308	C3	Q40102	E2	QR40101	E3		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TP402
TP403
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VR401
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VR504
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VR501
VR502
VR505
VR506
TP202
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TP204
VR101
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VR102
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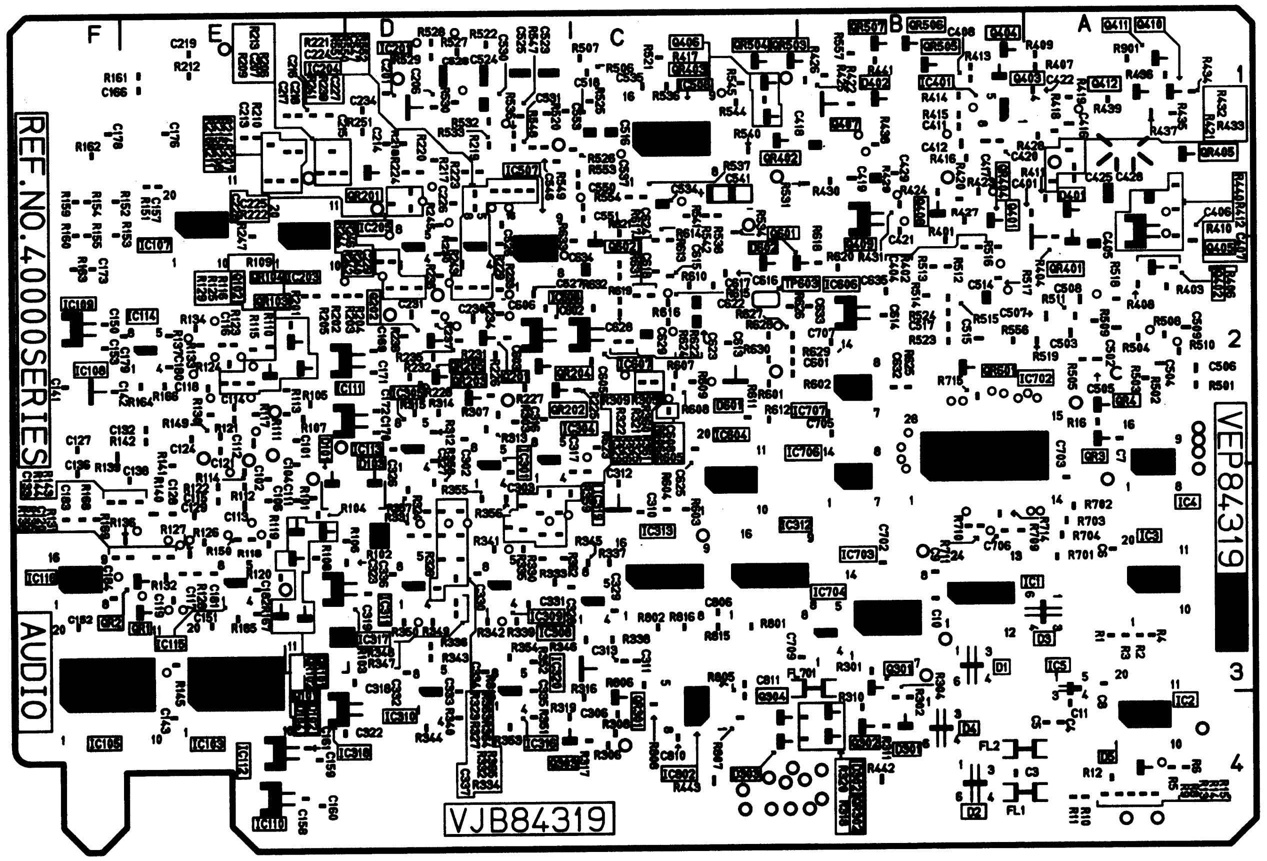
TP201
TP104
TP205
TP602
TP601
TP301
TP302
TP304
TP305
TP303
TP102
TP101
TP306
TP307
TP103
REF. NO. 40000 SERIES

REF	LOC	REF	LOC	REF	LOC
IC40006	B3	IC40603	C2	TP40304	C3
IC40007	A4	IC40605	C2	TP40305	C3
IC40008	A3	IC40701	B3	TP40306	D4
IC40009	A2	IC40705	B3	TP40307	D4
IC40101	E3	IC40708	C3	TP40401	B1
IC40102	E3	IC40709	C3	TP40402	B1
IC40104	E3	IC40801	C3	TP40403	B1
IC40106	E1	P40901	C4	TP40501	C1
IC40202	E1	P40902	A1	TP40502	C1
IC40302	D3	Q40801	C4	TP40601	C2
IC40303	D3	Q40802	C4	TP40602	C2
IC40306	D3	TP40101	E3	VR40101	E1
IC40307	D3	TP40102	F3	VR40102	E1
IC40314	D3	TP40103	F4	VR40201	D1
IC40315	D4	TP40104	E2	VR40202	D1
IC40501	A2	TP40105	E1	VR40401	B1
IC40502	A2	TP40106	F1	VR40402	B1
IC40503	B2	TP40201	E2	VR40501	C1
IC40504	B2	TP40202	D1	VR40502	D1
IC40505	D1	TP40203	D1	VR40503	C1
IC40506	D1	TP40204	E1	VR40504	C1
IC40509	D1	TP40205	E2	VR40505	D1
IC40510	C1	TP40301	D2	VR40506	D1
IC40601	C2	TP40302	D2		
IC40602	C3	TP40303	D3		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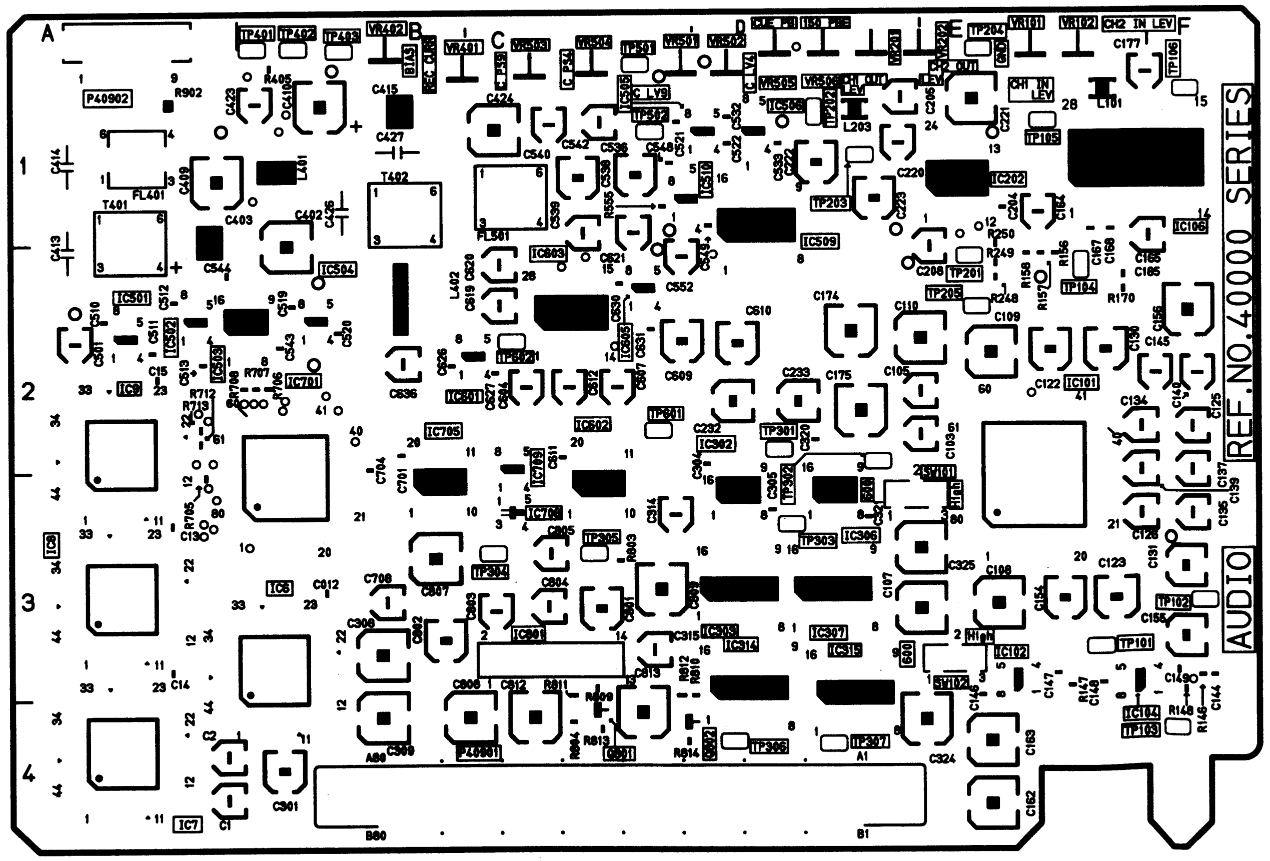
REF.NO.40000SERIES
VEP84319
AUDIO
VJB84319

(FOIL SIDE)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F
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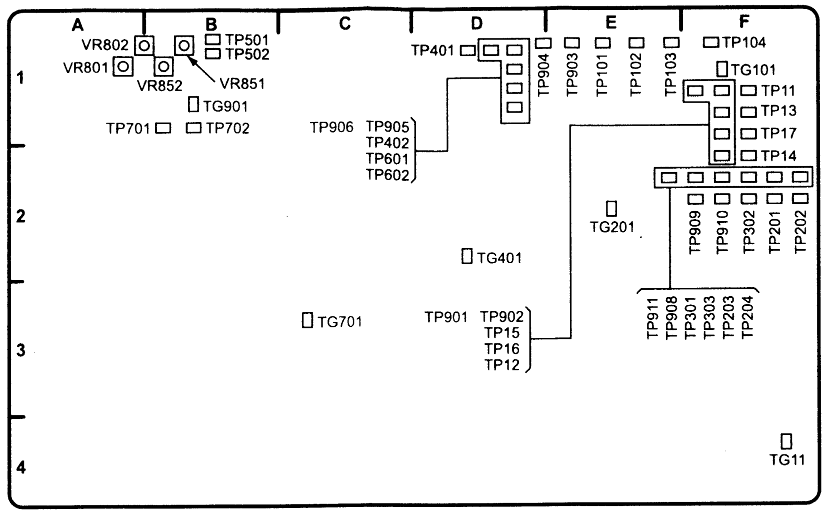
REF.NO.40000 SERIES
AUDIO
P40902
P40901
B80
B1
A80
A1

(COMPONENT SIDE)

RF AMP P.C.BOARD (VEP85172A)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC2	C4	IC613	C3	Q123	E1	Q342	C1	Q516	C2
IC3	D4	IC703	B3	Q131	F1	Q344	C1	Q518	C2
IC4	C3	IC705	A3	Q132	F1	Q346	C1	Q519	C2
IC5	D3	IC706	B3	Q133	F1	Q347	C1	Q520	C2
IC6	D3	IC707	C3	Q151	F2	Q356	F3	Q521	C2
IC7	D4	IC708	B4	Q161	F2	Q357	E3	Q524	C2
IC8	D3	IC710	C3	Q171	E2	Q359	E3	Q525	B2
IC9	C4	IC711	B3	Q181	E2	Q362	F3	Q526	C2
IC10	C4	IC712	B3	Q191	F2	Q404	B1	Q601	D2
IC11	C4	IC713	C3	Q192	F2	Q405	C1	Q603	D3
IC12	C4	IC804	A2	Q202	D1	Q407	D1	Q604	C3
IC13	C4	IC805	A2	Q204	D1	Q408	D1	Q605	D2
IC14	C4	IC854	A2	Q206	D1	Q409	B1	Q606	D2
IC103	F2	IC855	A2	Q207	D1	Q410	D1	Q607	D2
IC201	E1	IC857	A2	Q216	F3	Q411	D2	Q701	B2
IC202	D1	IC902	F1	Q217	F3	Q412	E2	Q702	B2
IC211	F3	IC903	F1	Q219	F3	Q413	D2	Q704	B3
IC241	E1	IC904	D4	Q222	F3	Q416	E2	Q707	B3
IC242	D1	IC905	E3	Q242	D1	Q418	E2	Q901	F1
IC251	F3	IC907	E1	Q244	D1	Q419	E2	Q902	F2
IC301	E1	IC910	B1	Q246	D1	Q420	E2	Q903	C1
IC302	D1	IC911	A1	Q247	D1	Q421	D2	Q904	B1
IC311	E3	IC912	C3	Q256	F3	Q424	D2	Q905	B1
IC341	E1	IC913	D4	Q257	F3	Q425	D2	Q906	A1
IC342	D1	Q1	B4	Q259	F3	Q426	D2	Q907	C1
IC351	E3	Q2	B4	Q262	F3	Q504	B1	Q908	B1
IC603	D3	Q101	E1	Q302	C1	Q505	C1	Q909	B1
IC605	C3	Q102	E1	Q304	C1	Q507	C1	Q910	A1
IC606	D3	Q103	E1	Q306	C1	Q508	C1	Q911	B1
IC607	E3	Q111	E1	Q307	C1	Q509	B1	Q912	D1
IC608	D3	Q112	E1	Q316	E3	Q510	C1	QR1	B4
IC610	E3	Q113	E1	Q317	E3	Q511	C2	QR2	B4
IC611	D3	Q121	E1	Q319	E3	Q512	C2	QR3	B4
IC612	D3	Q122	E1	Q322	E3	Q513	C2	QR4	B4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VR802
VR801
VR852
VR851
TP501
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TP701
TP702
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TP402
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TG101
TP11
TP13
TP17
TP14
TG201
TP909
TP910
TP302
TP201
TP202
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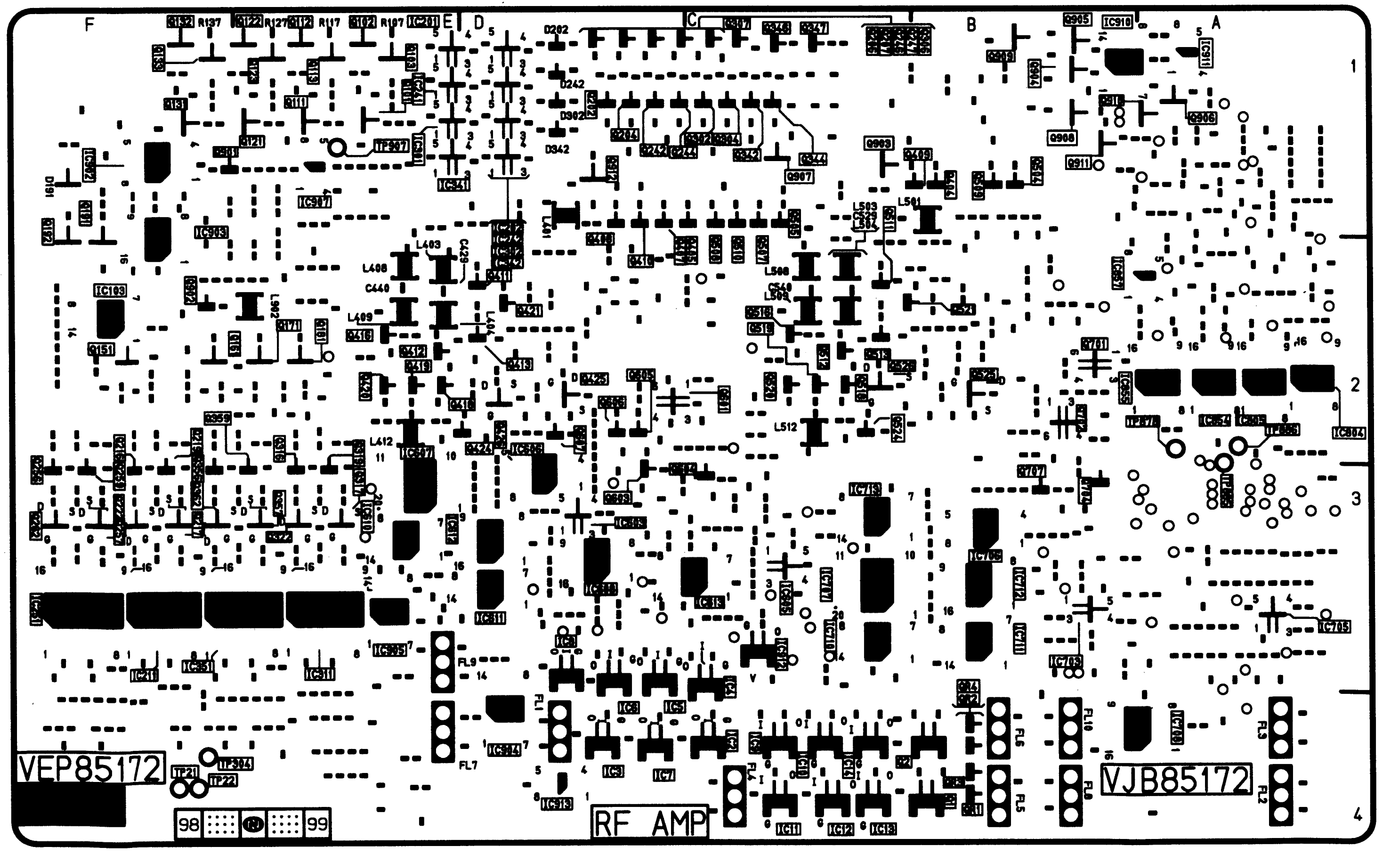
TG701
TP901
TP902
TP15
TP16
TP12
TP911
TP908
TP301
TP303
TP203
TP204
TG11

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	A4	IC809	A2	Q258	F3	Q515	B1	TP302	F2
IC101	F1	IC810	A1	Q260	F3	Q517	B1	TP303	F2
IC102	F2	IC811	A1	Q261	F3	Q522	B2	TP401	D1
IC104	E2	IC812	A1	Q263	F3	Q523	C2	TP402	D1
IC105	F2	IC851	A3	Q301	E1	Q602	C2	TP501	B1
IC281	F4	IC852	A2	Q303	C1	Q703	B3	TP502	B1
IC282	F4	IC853	A2	Q305	C1	Q705	B3	TP601	D1
IC381	E4	IC856	A2	Q315	E3	Q706	B3	TP602	D1
IC401	B1	IC858	A1	Q318	E3	QR101	E1	TP701	B1
IC402	D1	IC859	A2	Q320	E3	QR111	E1	TP702	B1
IC403	D2	IC860	A2	Q321	E3	QR121	E1	TP901	F1
IC404	D2	IC861	A1	Q323	E3	QR131	F1	TP902	F1
IC405	D2	IC862	A1	Q341	E1	TG11	F4	TP903	E1
IC406	C2	IC901	E1	Q343	C1	TG101	F1	TP904	D1
IC501	B1	IC906	E1	Q345	C1	TG201	E2	TP905	D1
IC502	C1	IC908	E1	Q355	E3	TG401	D2	TP906	D1
IC503	B2	IC909	E2	Q358	E3	TG701	C3	VR801	A1
IC504	B2	IC915	E4	Q360	F3	TG901	B1	VR802	B1
IC505	B2	IC916	E2	Q361	F3	TP11	F1	VR851	B1
IC506	B2	P1	E4	Q363	F3	TP12	F2	VR852	B1
IC601	C2	P2	B1	Q401	D2	TP13	F1		
IC602	D3	P3	C1	Q402	D2	TP14	F2		
IC604	C3	Q201	E1	Q403	D1	TP15	F1		
IC609	E3	Q203	D1	Q406	D1	TP16	F1		
IC701	B2	Q205	D1	Q414	D1	TP17	F1		
IC702	B3	Q215	F3	Q415	D2	TP101	E1		
IC704	A3	Q218	F3	Q417	D1	TP102	E1		
IC709	C3	Q220	F3	Q422	D2	TP103	E1		
IC801	A3	Q221	F3	Q423	E2	TP104	F1		
IC802	A2	Q223	F3	Q501	B1	TP201	F2		
IC803	A2	Q241	E1	Q502	C2	TP202	F2		
IC806	A2	Q243	D1	Q503	C1	TP203	F2		
IC807	A1	Q245	D1	Q506	C1	TP204	F2		
IC808	A1	Q255	F3	Q514	B2	TP301	F2		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VEP85172
RF AMP
VJB85172

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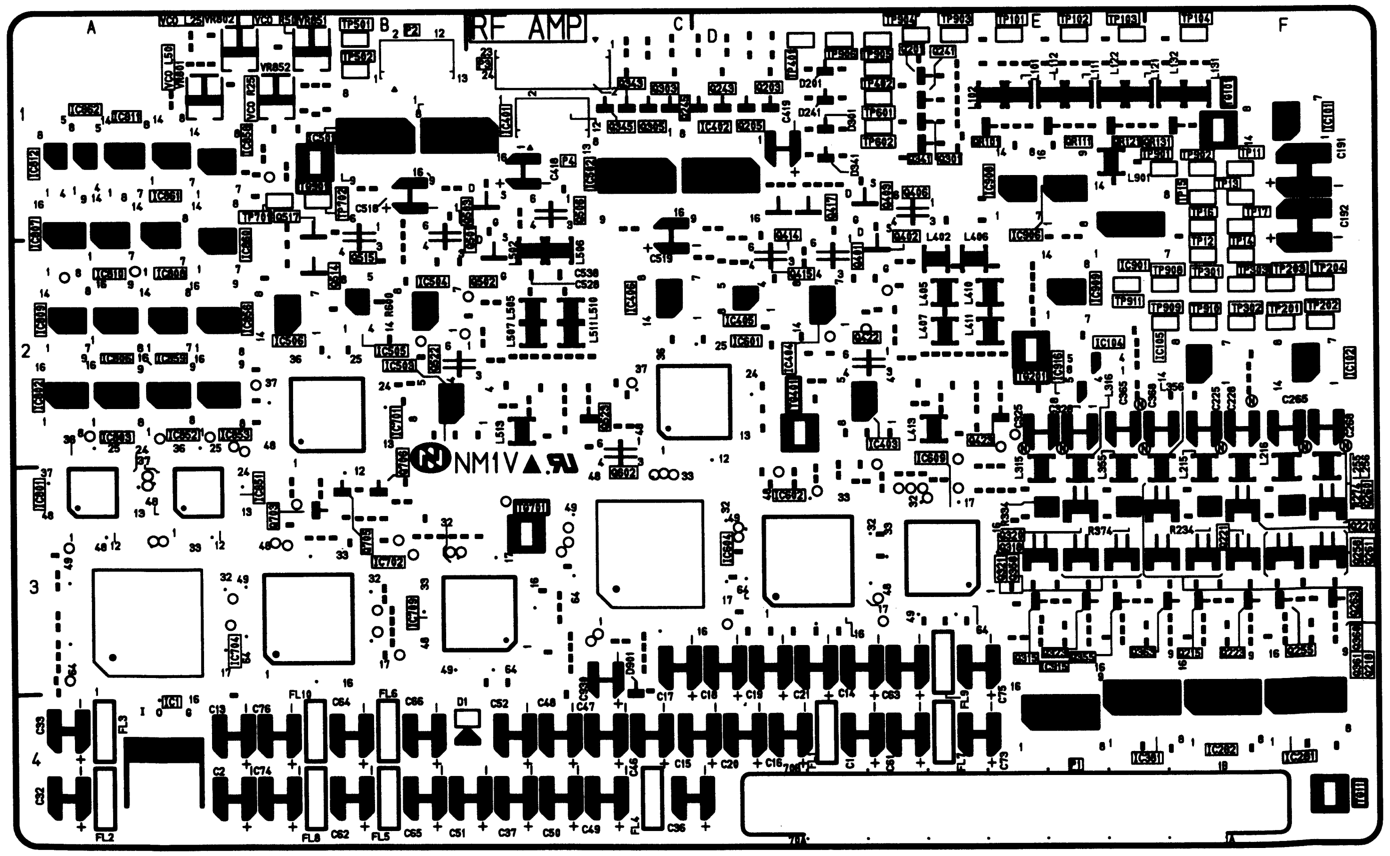
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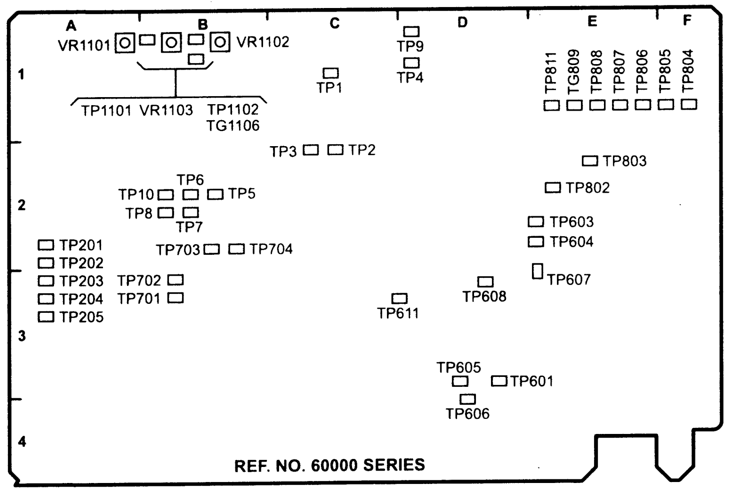
RF AMP
NM1V

(COMPONENT SIDE)

AV SYSCON P.C. BOARD (VEP86274B)

REF	LOC	REF	LOC	REF	LOC
IC60001	B1	IC60501	B2	IC61102	E4
IC60003	A1	IC60502	C3	IC61103	E4
IC60004	C1	IC60503	C3	P61001	E4
IC60005	C2	IC60505	C1	QR60001	B2
IC60006	C2	IC60602	D3	QR60201	A3
IC60007	C1	IC60603	D3	QR60202	A3
IC60008	B1	IC60604	D3	QR60203	A3
IC60009	C1	IC60605	D3	QR60409	A4
IC60011	C1	IC60606	D3	QR60410	A4
IC60012	A1	IC60607	D4	QR60411	A3
IC60013	B1	IC60608	D3	QR60412	A3
IC60014	B2	IC60702	C3	QR60417	A4
IC60202	A3	IC60703	B3	QR60418	A4
IC60203	A3	IC60801	E1	QR60419	A4
IC60204	B3	IC60804	E3	QR60420	A4
IC60303	C2	IC60805	E2	QR60601	D3
IC60304	C1	IC60806	E2	TG60801	D1
IC60305	C2	IC60807	F2	TP60810	D1
IC60306	B3	IC60808	E2		
IC60308	D2	IC60809	F2		
IC60309	D1	IC60810	E1		
IC60310	D2	IC61001	D1		
IC60402	A3	IC61002	F1		
IC60403	B4	IC61003	E1		
IC60404	A4	IC61004	E1		


A
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F
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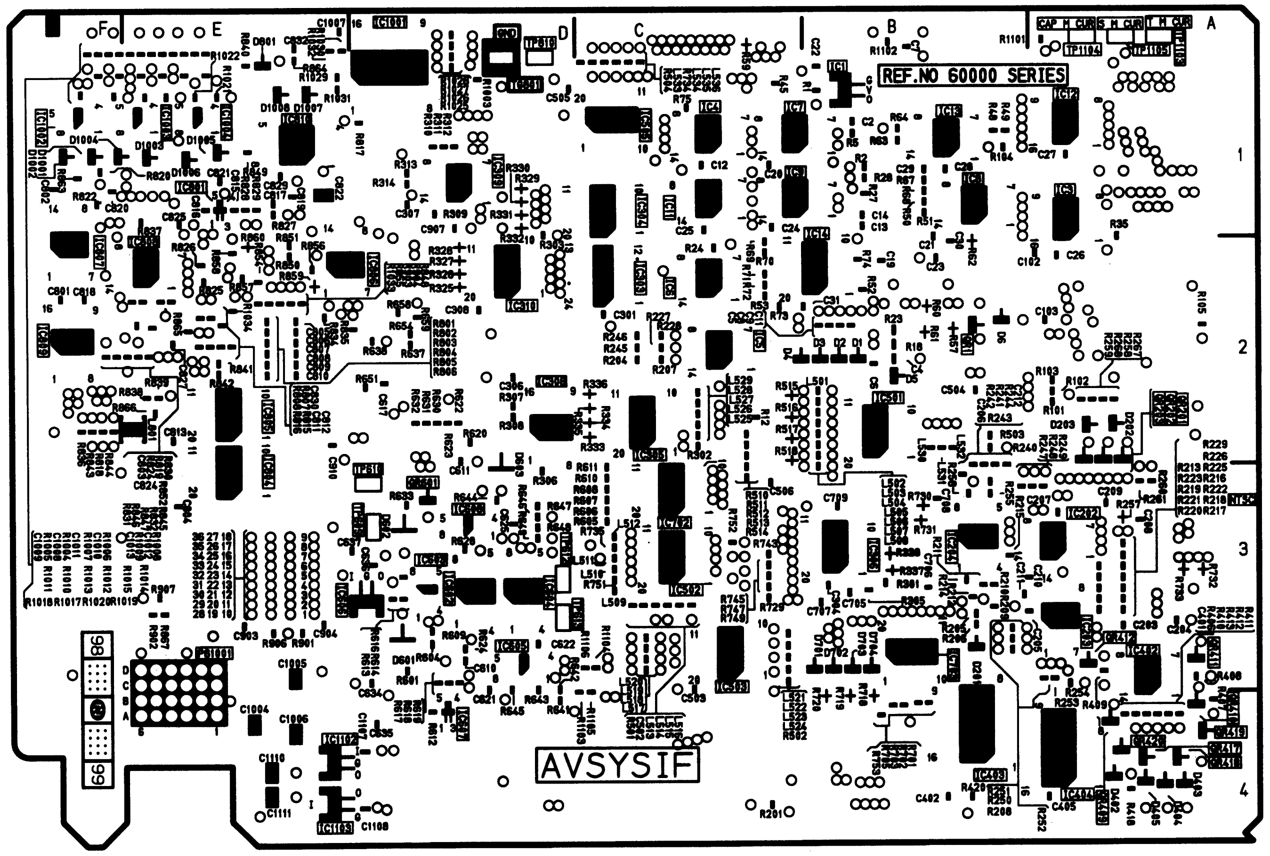
VR1101
VR1102
TP9
TP4
TP1
TP1101 VR1103 TP1102
TG1106
TP811
TG809
TP808
TP807
TP806
TP805
TP804
TP3
TP2
TP803
TP6
TP10
TP5
TP802
TP8
TP7
TP603
TP604
TP201
TP703
TP704
TP202
TP203
TP702
TP607
TP204
TP701
TP611
TP608
TP205
TP605
TP601
TP606
REF. NO. 60000 SERIES

REF	LOC	REF	LOC	REF	LOC
IC60002	B1	QR60406	A3	TP60802	E2
IC60101	A2	QR60407	A3	TP60803	E2
IC60102	A2	QR60408	A3	TP61101	B1
IC60103	A2	QR60413	A4	TP61102	B1
IC60201	A3	QR60414	A4	VR61101	A1
IC60401	A4	QR60415	A4	VR61102	B1
IC60504	B2	QR60416	A4	VR61103	B1
IC60506	C3	QR60421	B4		
IC60601	D2	TG60809	E1		
IC60701	B3	TG61106	B1		
IC60704	C3	TP60001	C1		
IC60802	E2	TP60002	C2		
IC60803	E1	TP60003	C2		
IC60902	D1	TP60004	D1		
IC60903	F3	TP60005	B2		
IC60904	E2	TP60006	B2		
P61003	D1	TP60007	B2		
P61104	C4	TP60008	B2		
P61203	A1	TP60009	D1		
P61204	E1	TP60010	B2		
QR60401	A3	TP60601	D3		
QR60402	A3	TP60602	D2		
QR60403	A3	TP60603	E2		
QR60404	A3	TP60604	E2		
QR60405	A3	TP60605	D3		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A
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REF.NO 60000 SERIES
AVSYSIF

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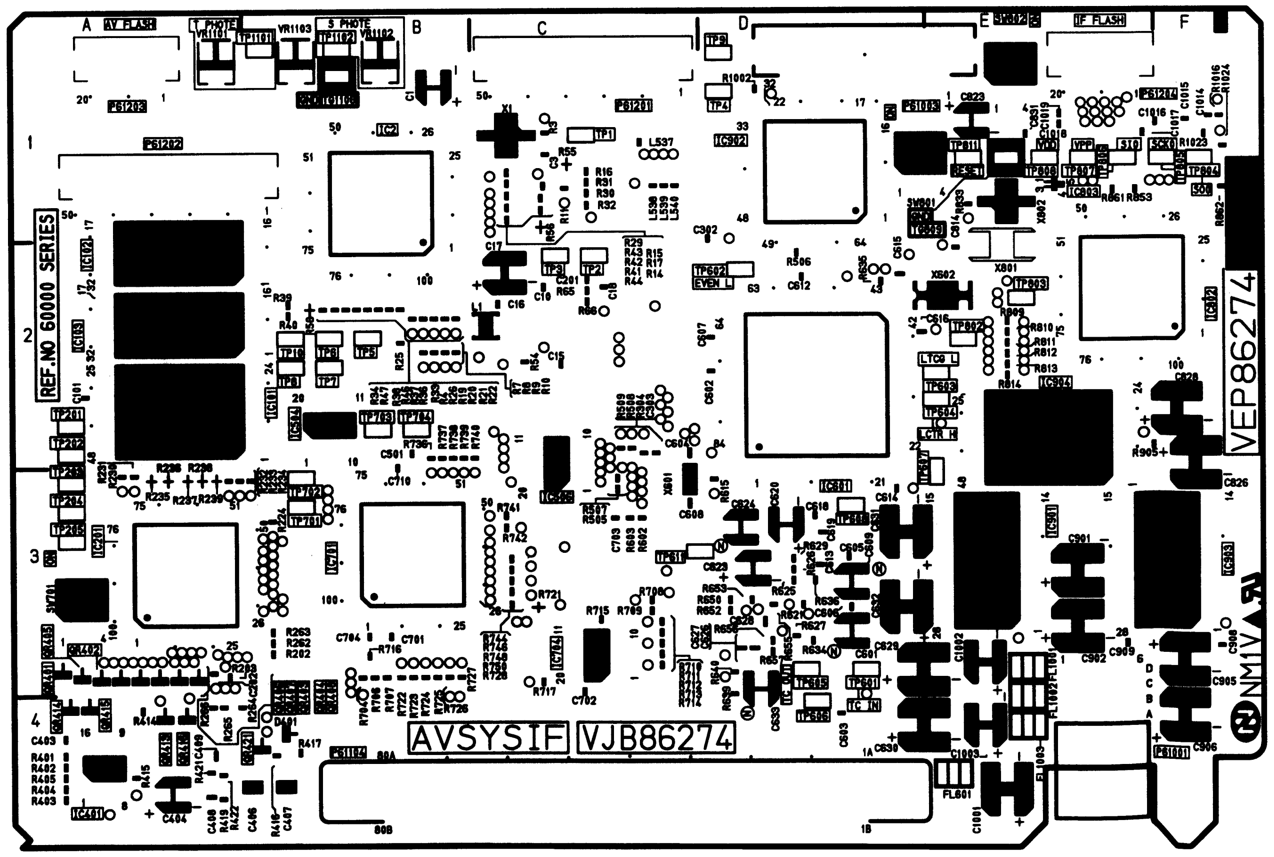
A
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C
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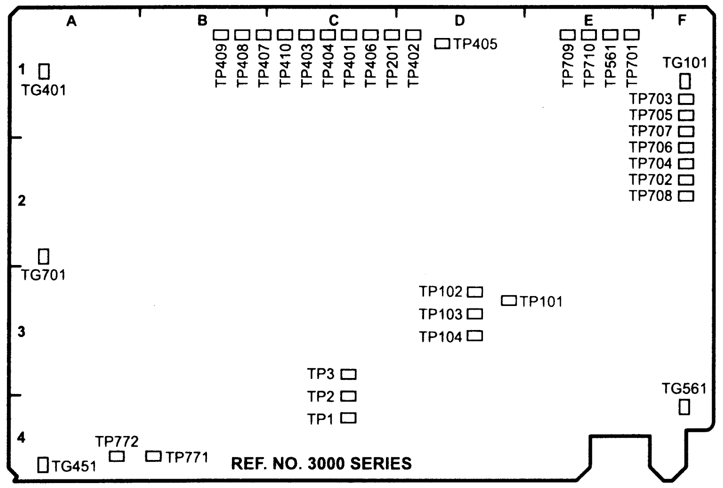
AV FLASH
IF FLASH
REF.NO 60000 SERIES
VEP86274
AVSYSIF
VJB86274

(COMPONENT SIDE)

REC PB P.C. BOARD (VEP83427B)

REF	LOC	REF	LOC
IC3002	F2	IC3404	C2
IC3102	C3	IC3451	D1
IC3103	C3	IC3521	C1
IC3105	B3	IC3522	D1
IC3107	D3	IC3523	C1
IC3109	D3	IC3524	C2
IC3111	C3	IC3562	A3
IC3112	D3	IC3564	A3
IC3203	D3	IC3566	B2
IC3204	E3	IC3569	A3
IC3205	E3	IC3570	A4
IC3206	D3	IC3572	B3
IC3351	E2	IC3773	B3
IC3352	E2	IC3774	C4
IC3401	D2	IC3775	B4
IC3402	D2	IC3803	B2
IC3403	C2		


A
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F
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TP409
TP408
TP407
TP410
TP403
TP404
TP401
TP406
TP201
TP402
TP405
TP709
TP710
TP561
TP701
TG101
TG401
TP703
TP705
TP707
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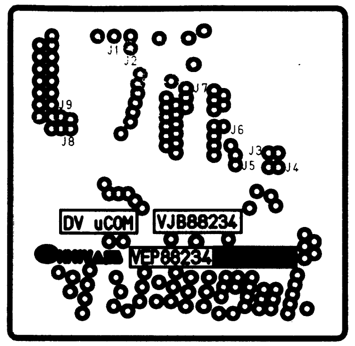
TP704
TP702
TP708
TG701
TP102
TP103
TP104
TP101
TP3
TP2
TP1
TG561
TP772
TP771
TG451
REF. NO. 3000 SERIES

REF	LOC	REF	LOC	REF	LOC
IC3001	E4	IC3802	C2	TP3405	D1
IC3101	D3	IC3851	B1	TP3406	C1
IC3104	C3	IC3852	B2	TP3407	B1
IC3106	C3	P3001	C4	TP3408	B1
IC3108	D3	P3002	A1	TP3409	B1
IC3110	D3	P3003	E4	TP3410	C1
IC3201	E3	P3701	D1	TP3561	E1
IC3202	E3	P3702	E1	TP3701	E1
IC3207	E2	TG3101	F1	TP3702	F2
IC3452	D1	TG3401	A1	TP3703	F1
IC3453	D2	TG3451	A4	TP3704	F2
IC3561	A3	TG3561	F4	TP3705	F1
IC3563	A3	TG3701	A2	TP3706	F2
IC3565	A3	TP3001	C4	TP3707	F1
IC3567	A3	TP3002	C4	TP3708	F2
IC3568	B3	TP3003	C3	TP3709	E1
IC3571	A2	TP3101	D3	TP3710	E1
IC3573	A2	TP3102	D3	TP3771	B4
IC3574	B1	TP3103	D3	TP3772	A4
IC3575	B2	TP3104	D3		
IC3576	A1	TP3201	C1		
IC3577	B3	TP3401	C1		
IC3771	C3	TP3402	D1		
IC3772	B3	TP3403	C1		
IC3801	C1	TP3404	C1		

DV uCOM P.C. BOARD (VEP88234Q)


J1
J2
J3
J4
J5
J6
J8
J9
DV uCOM
VJB88234
VEP88234

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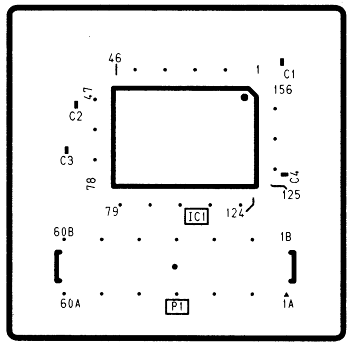
46
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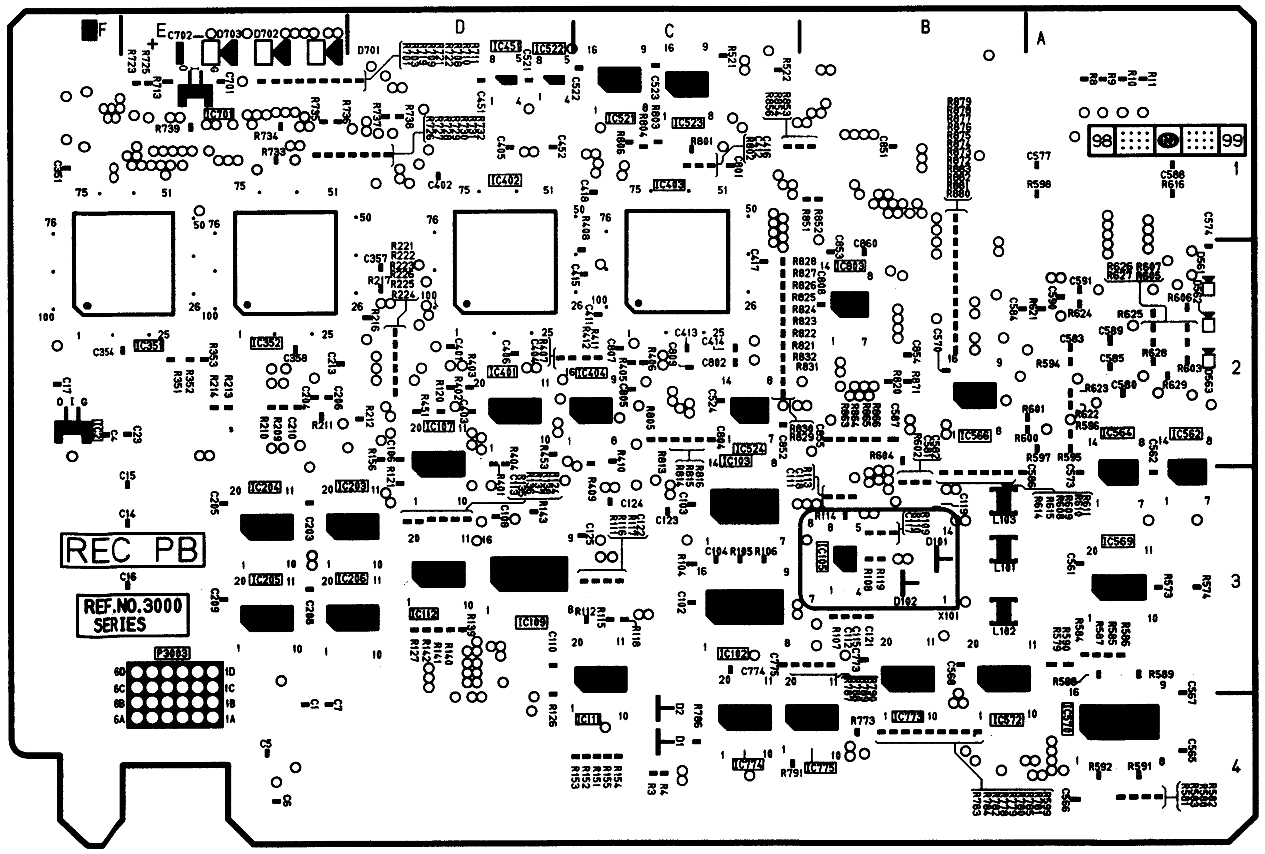
C1
156
C2
C3
78
79
IC1
124
C4
125
60B
1B
60A
P1
1A

(COMPONENT SIDE)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A
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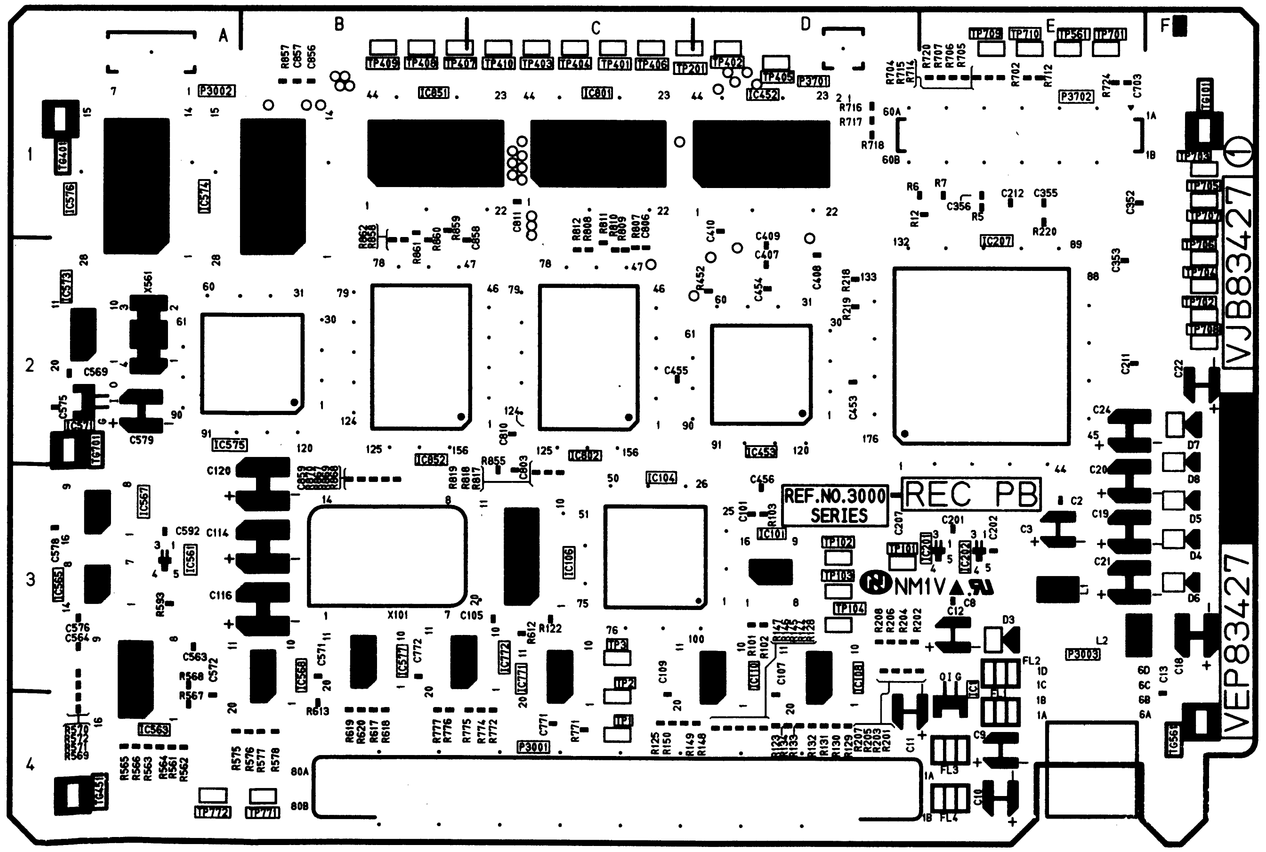
REC PB
REF.NO.3000 SERIES
P3003

(FOIL SIDE)


A
B
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D
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F
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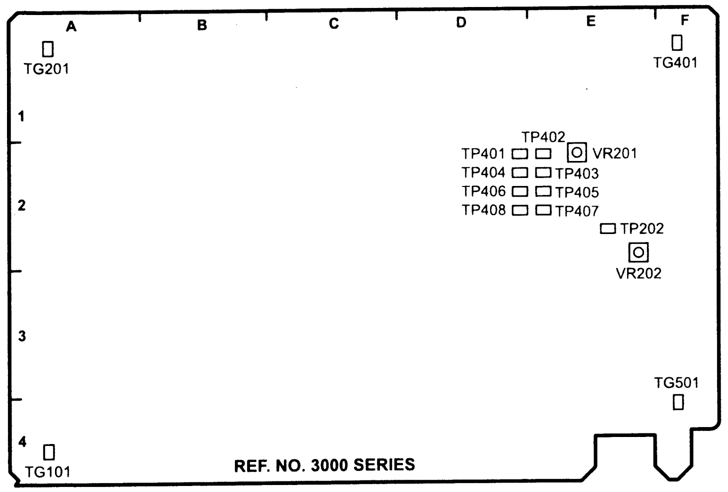
P3002
P3701
P3702
REF.NO.3000 SERIES
REC PB
NM1V
P3003
P3001
VJB83427
VEP83427

(COMPONENT SIDE)

V IN P.C. BOARD (VEP83428B)

REF	LOC	REF	LOC
IC3001	E4	IC3408	C2
IC3002	E4	IC3502	D3
IC3101	E3	IC3506	D4
IC3109	C4	IC3758	B3
IC3202	E3	P3002	E4
IC3301	C2	Q3201	E3
IC3404	E1	Q3202	E3
IC3405	E1	Q3203	E3
IC3406	E1	Q3204	E3
IC3407	E2		


A
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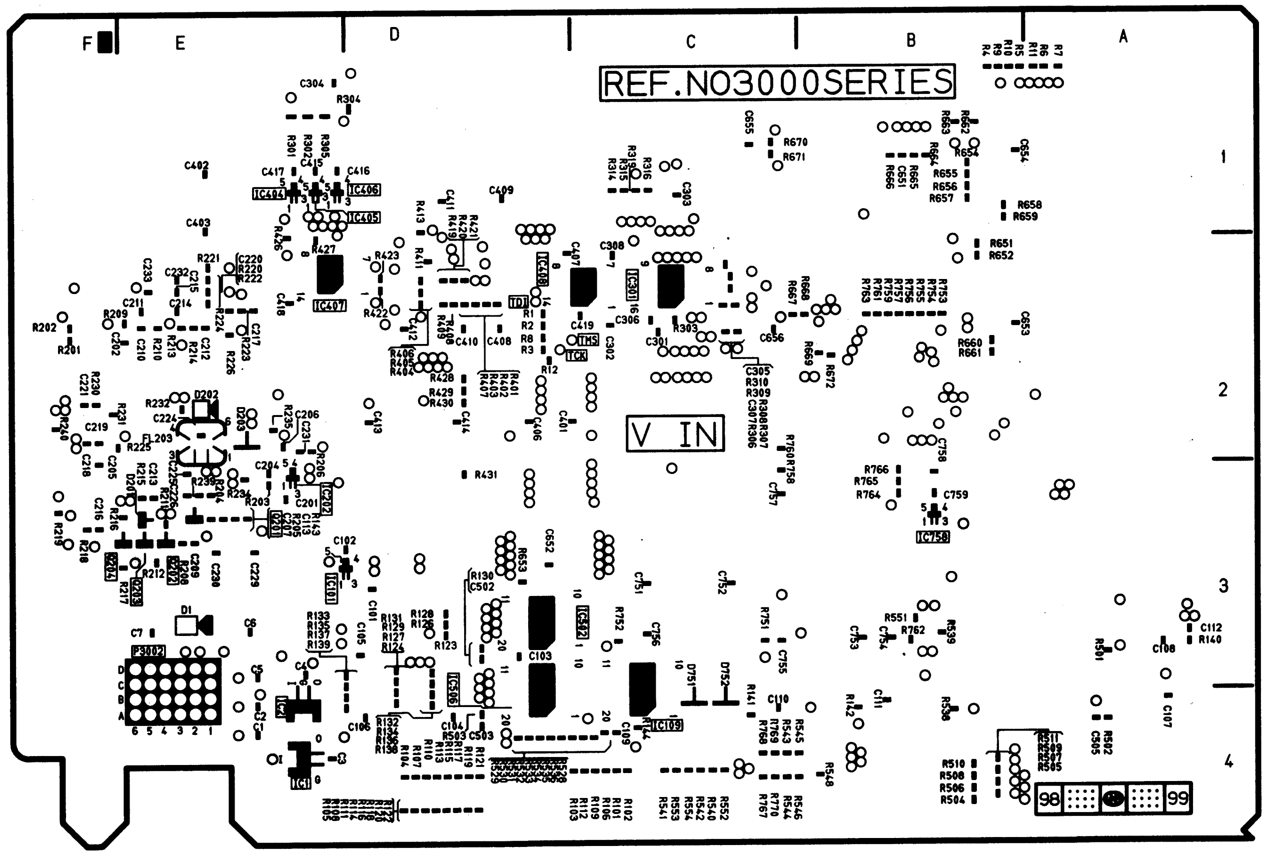
TG201
TG401
TP402
TP401
VR201
TP404
TP403
TP406
TP405
TP408
TP407
TP202
VR202
TG501
TG101
REF. NO. 3000 SERIES

REF	LOC	REF	LOC	REF	LOC
IC3102	D3	IC3505	D4	TP3406	D2
IC3103	D3	IC3507	B4	TP3407	E2
IC3104	D4	IC3508	B3	TP3408	D2
IC3105	D3	IC3651	D3	VR3202	E2
IC3106	D4	IC3652	B2		
IC3107	A4	IC3751	C3		
IC3108	A3	IC3752	C3		
IC3110	C4	IC3753	C3		
IC3111	B4	IC3754	C3		
IC3112	E3	IC3755	B3		
IC3113	A4	IC3756	C2		
IC3201	E3	IC3757	B3		
IC3203	F2	P3001	C4		
IC3204	E2	P3003	A1		
IC3205	E2	TG3101	A4		
IC3206	F3	TG3201	A1		
IC3207	F2	TG3401	F1		
IC3208	E2	TG3501	F4		
IC3302	C2	TP3201	F2		
IC3401	D2	TP3202	E2		
IC3402	D2	TP3401	D2		
IC3403	D2	TP3402	E2		
IC3501	D3	TP3403	E2		
IC3503	A3	TP3404	D2		
IC3504	A4	TP3405	E2		


F
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A
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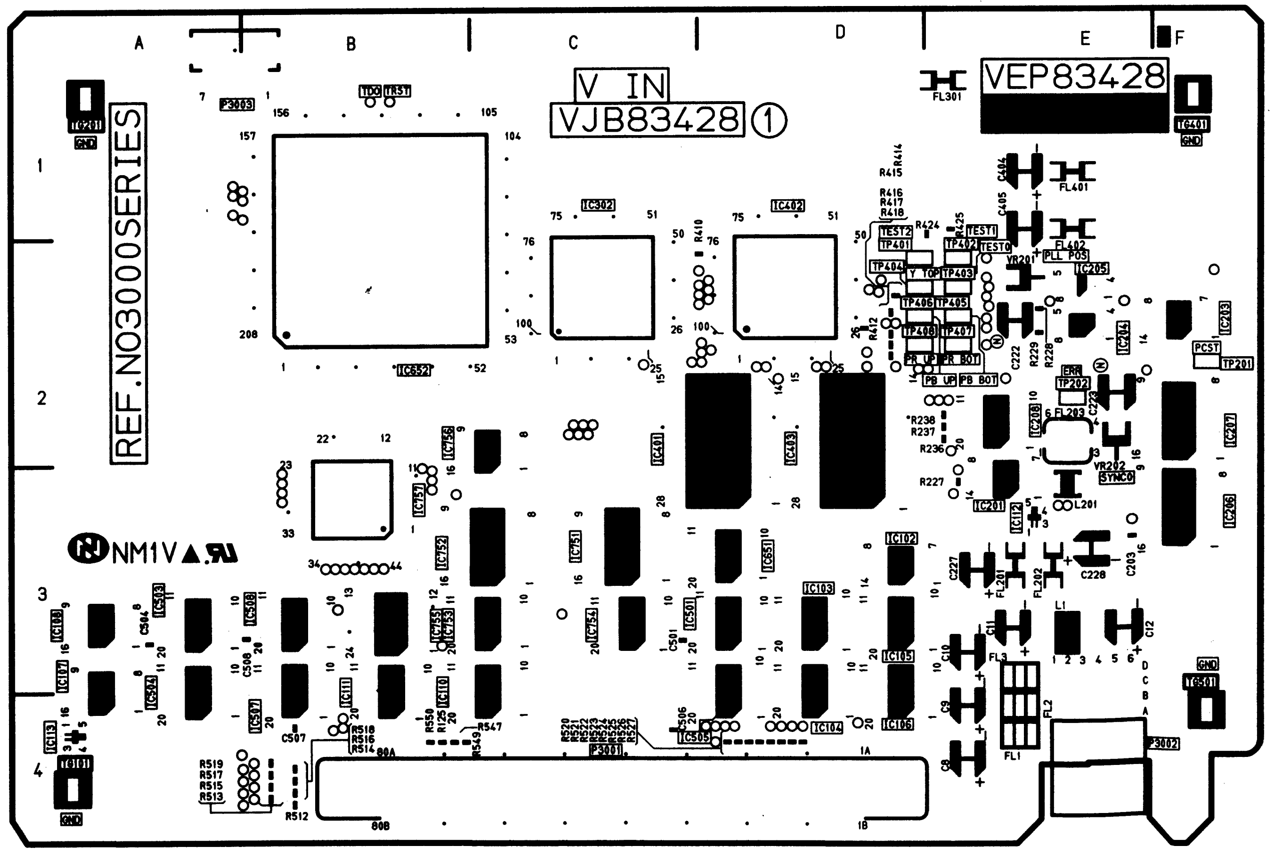
REF.NO3000SERIES
V IN
P3002
IC407
98
99

(FOIL SIDE)


A
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F
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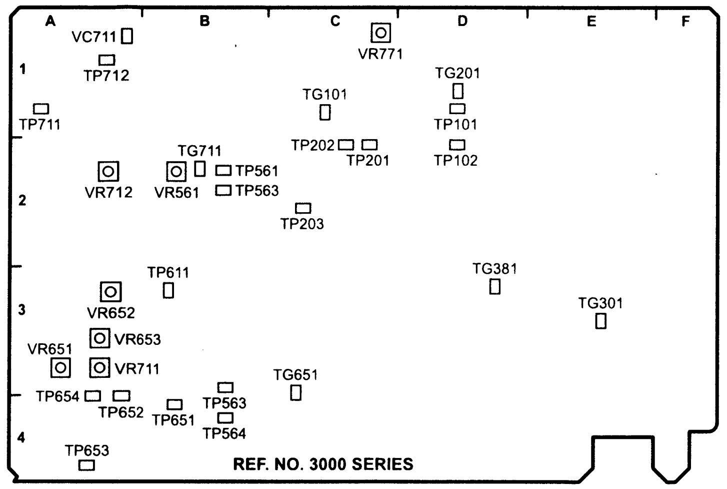
V IN
VJB83428 ①
VEP83428
REF.NO3000SERIES
NM1V
P3003
P3001
P3002
FL301
FL401
FL402
FL1
FL2
FL3
VR201
VR202
GND

(COMPONENT SIDE)

V OUT P.C. BOARD (VEP83429B)

REF	LOC	REF	LOC	REF	LOC
IC3001	F4	IC3658	A3	IC4201	D2
IC3002	F4	IC3659	A3	IC4204	C2
IC3003	E4	IC3660	A3	IC4301	B2
IC3151	E3	IC3711	A1	IC4302	B2
IC3152	F3	IC3712	A1	IC4303	B1
IC3153	E3	IC3713	A1	IC4501	B4
IC3202	E3	IC3714	A1	IC4502	B3
IC3206	E3	IC3715	A2	IC4503	B3
IC3209	E3	IC3716	B1	IC4506	B2
IC3210	D3	IC3717	B1	IC4509	C3
IC3381	D2	IC3718	A1	Q3451	C4
IC3383	E1	IC3719	B1	Q3452	C4
IC3384	E1	IC3772	C1	Q3453	C4
IC3452	C3	IC3773	D1	Q3454	C4
IC3481	E2	IC3774	D1	Q3711	A1
IC3483	E1	IC3775	D1	Q3712	B1
IC3484	E1	IC3776	D1	Q3713	B1
IC3561	B2	IC4001	B2		
IC3562	B2	IC4004	D4		
IC3564	B3	IC4101	D1		
IC3567	B3	IC4102	D1		
IC3653	A4	IC4103	C2		
IC3654	A3	IC4104	C2		
IC3656	A2	IC4105	C2		
IC3657	A4	IC4106	C1		


A
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F
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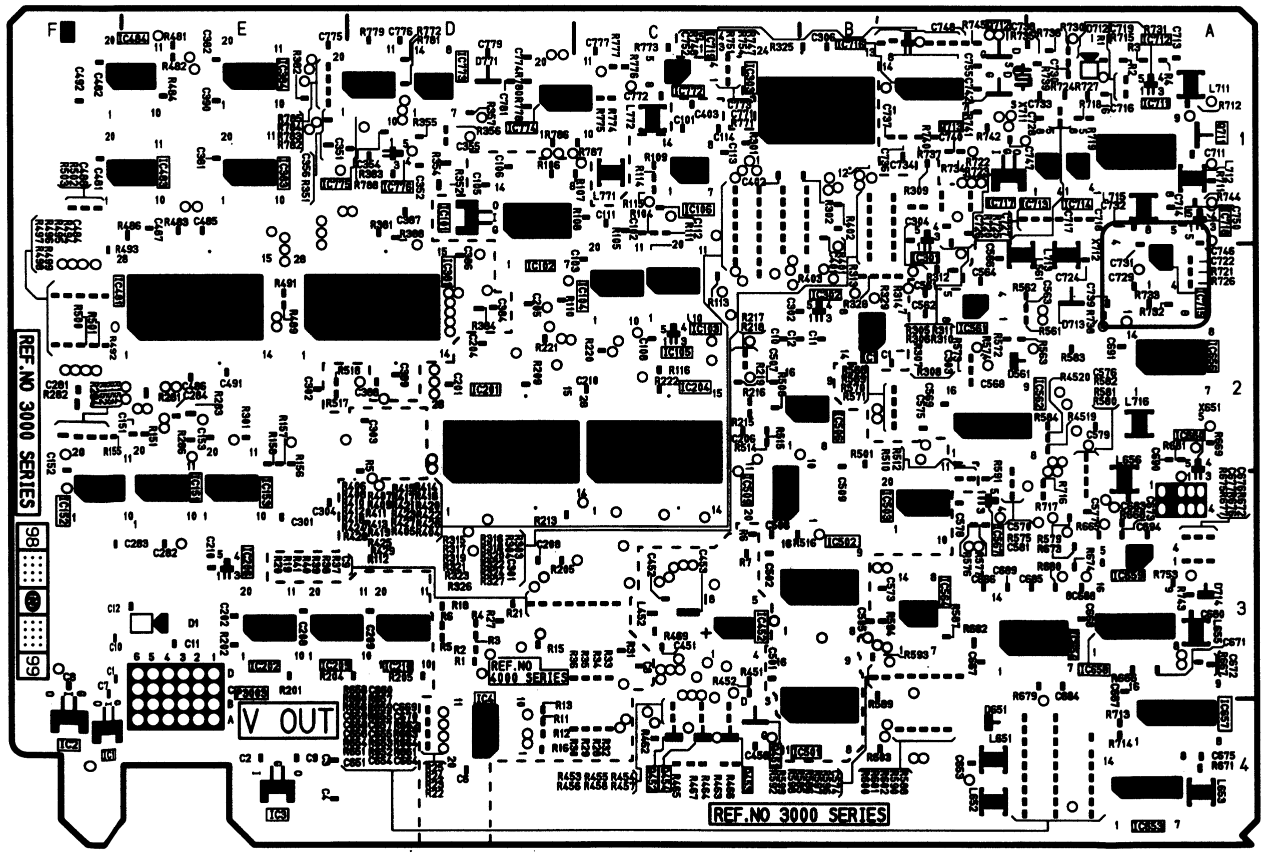
VC711
VR771
TP712
TG201
TG101
TP711
TP101
TP202
TP201
TP102
TG711
TP561
TP563
VR712
VR561
TP203
TP611
TG381
VR652
TG301
VR651
VR653
VR711
TG651
TP654
TP652
TP651
TP563
TP564
TP653
REF. NO. 3000 SERIES

REF	LOC	REF	LOC	REF	LOC
IC3201	E3	IC4006	C4	TP3561	B2
IC3203	E3	IC4007	C3	TP3562	B2
IC3204	E3	IC4008	D3	TP3563	B4
IC3205	D3	IC4107	C1	TP3564	B4
IC3207	E3	IC4108	C1	TP3651	B4
IC3208	D3	IC4202	D2	TP3652	A4
IC3281	E2	IC4203	C2	TP3653	A4
IC3301	E2	IC4304	B1	TP3654	A4
IC3351	D1	IC4305	B1	TP3711	A1
IC3382	E1	IC4401	C1	TP3712	A1
IC3385	D2	IC4402	C1	TP4101	D1
IC3451	C3	IC4504	B4	TP4102	D2
IC3482	F1	IC4505	B3	TP4201	C2
IC3485	E2	IC4507	C3	TP4202	C2
IC3486	F2	IC4508	B3	TP4203	C2
IC3487	F1	P3001	C4	VR3561	B2
IC3563	B2	P3002	A1	VR3651	A3
IC3565	B3	P3003	E4	VR3652	A3
IC3566	B4	TG3301	E3	VR3653	A3
IC3651	A4	TG3381	D3	VR3711	A3
IC3652	A3	TG3561	B3	VR3712	A2
IC3655	A4	TG3651	C4	VR3771	C1
IC4002	D3	TG3711	B2		
IC4003	D3	TG4101	C1		
IC4005	D4	TG4201	D1		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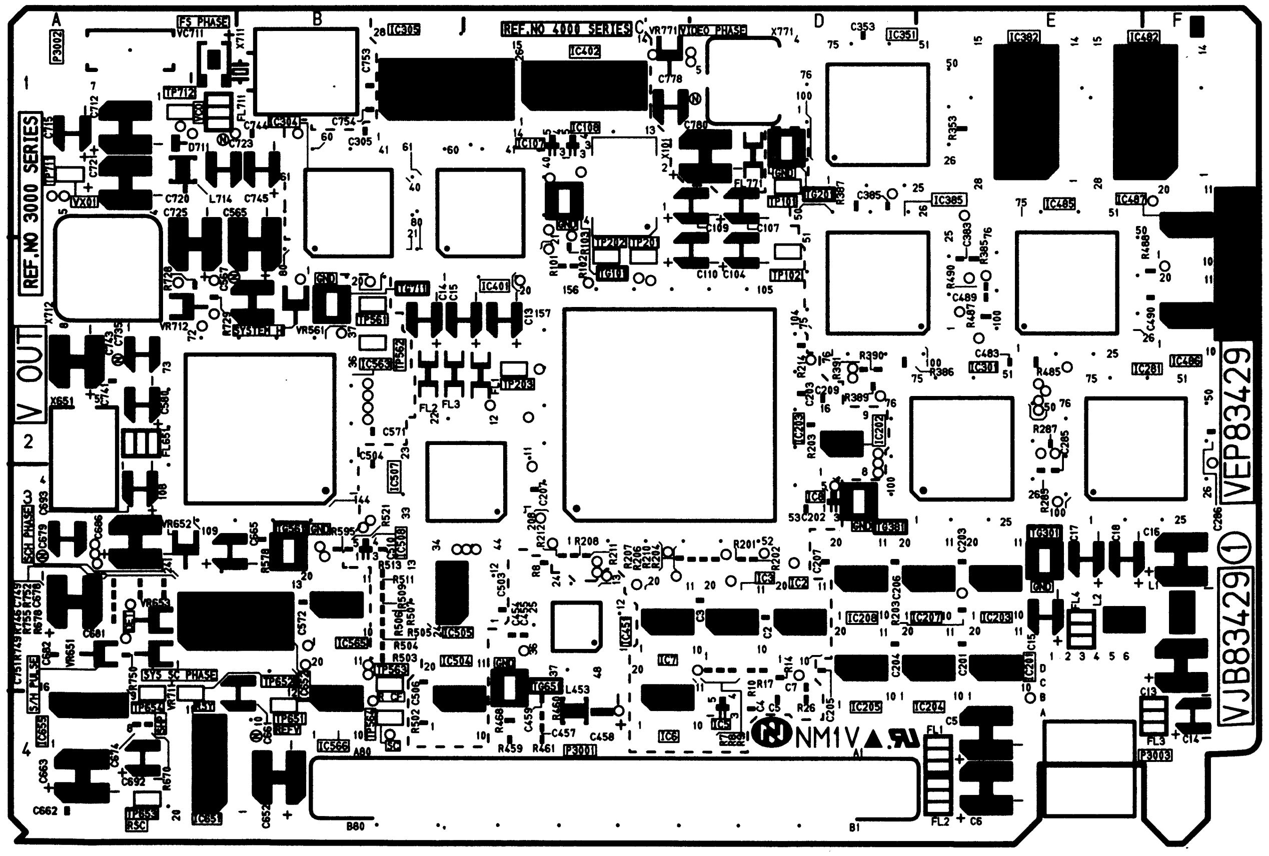
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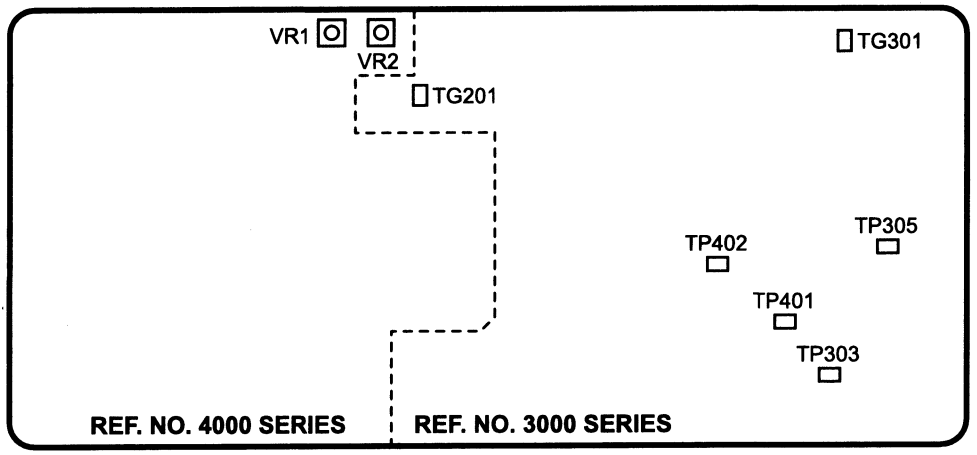
AV I/O P.C. BOARD (VEP84320B)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TG301
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TP401
TP303
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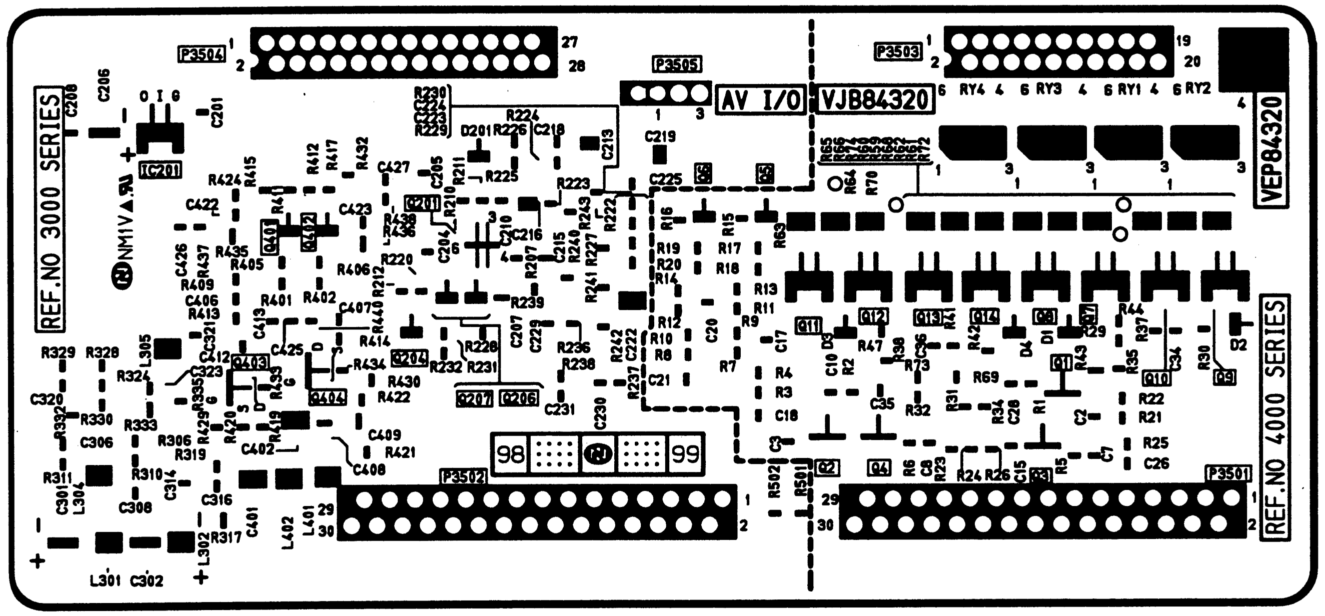
REF. NO. 3000 SERIES


P3504
P3505
P3503
P3502
P3501
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VJB84320
VEP84320
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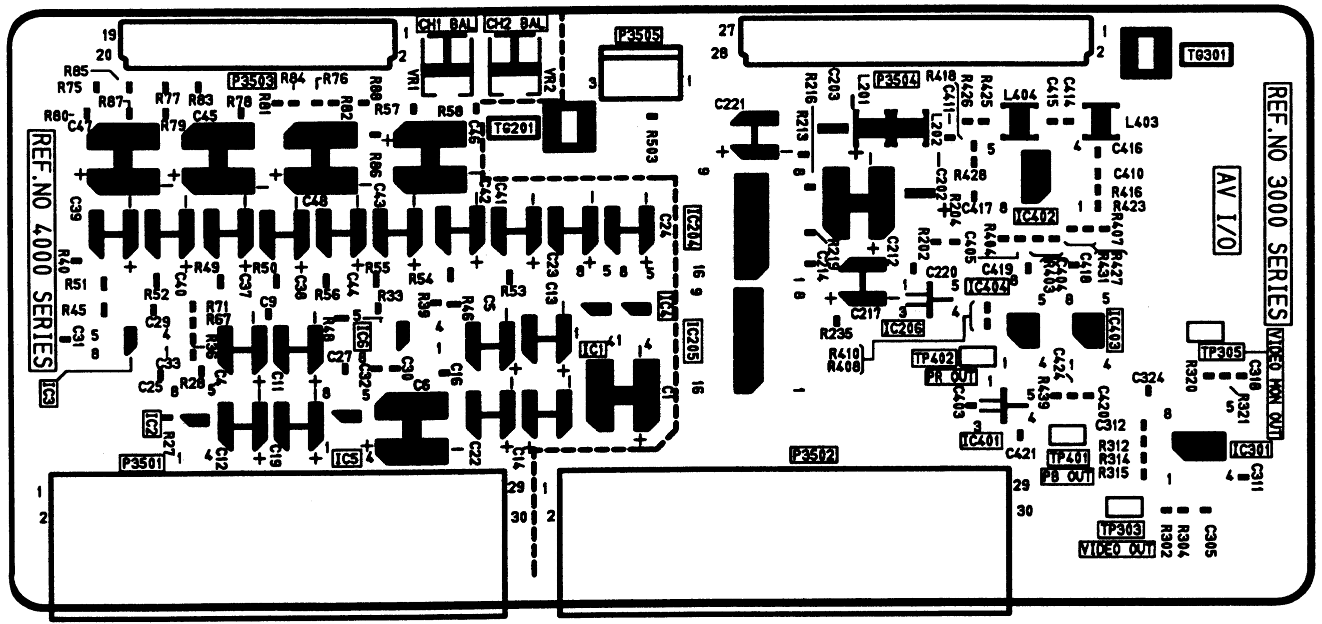
REF.NO 4000 SERIES
IC201

(FOIL SIDE)


CH1 BAL
CH2 BAL
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P3503
P3504
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TG201
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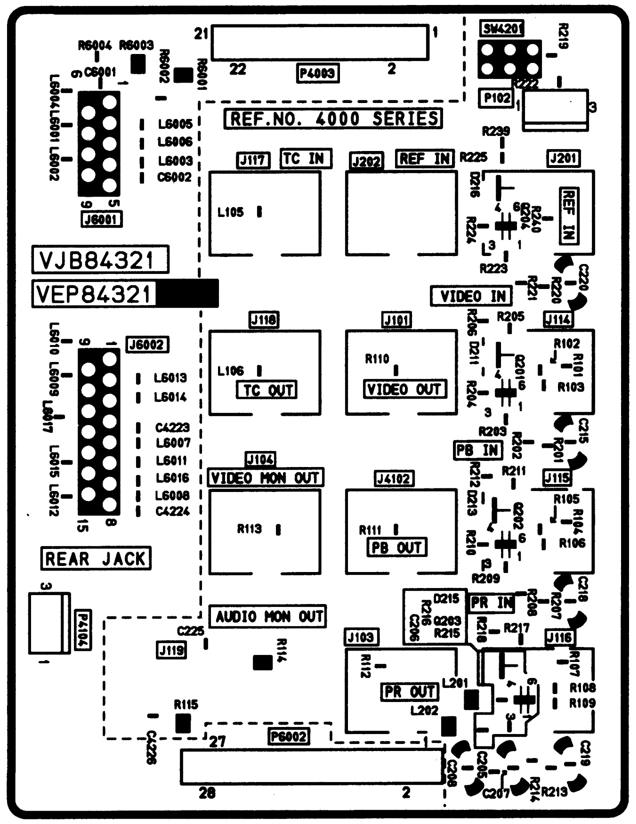
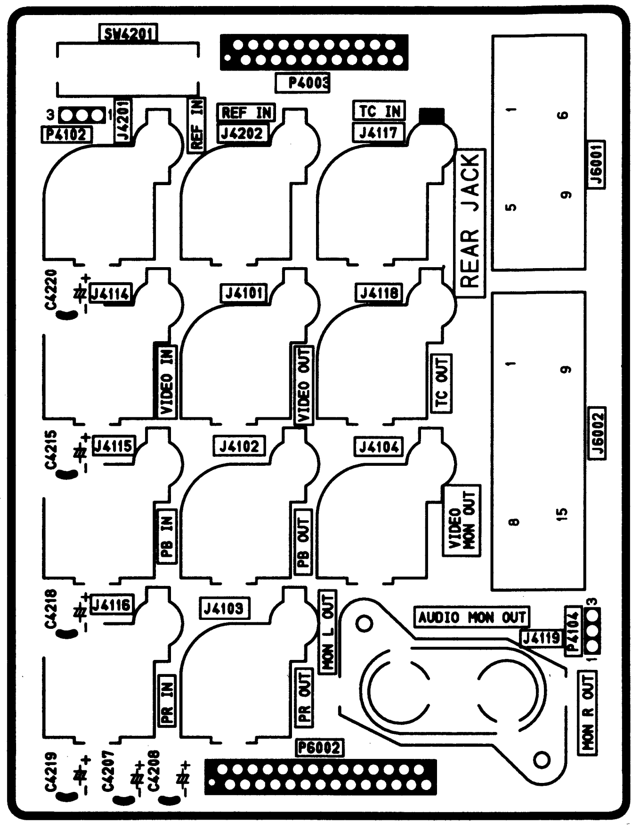
REF.NO 3000 SERIES
AV I/O
VIDEO MON OUT
TP305
TP402
PR OUT
TP401
PB OUT
TP303
VIDEO OUT
P3501
P3502
IC1
IC2
IC3
IC5
IC6
IC401
IC402
IC403
IC404
IC205
IC206
IC301

(COMPONENT SIDE)

REAR JACK P.C. BOARD (VEP84321B)

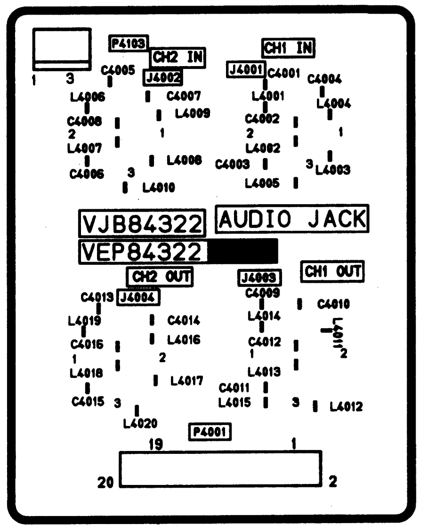

P4003
SW4201
P102
REF.NO. 4000 SERIES
J117
TC IN
J202
REF IN
J201
VJB84321
VEP84321
VIDEO IN
J6001
J6002
J118
J101
TC OUT
VIDEO OUT
J104
VIDEO MON OUT
J102
PB OUT
PB IN
REAR JACK
AUDIO MON OUT
J103
PR OUT
PR IN
J119
P6002
P4104

(FOIL SIDE)

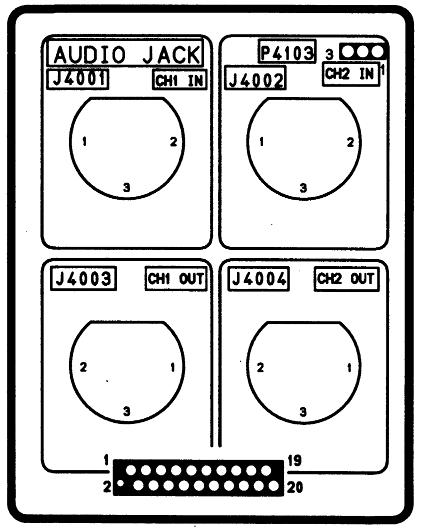

SW4201
P4003
P4102
J4201
REF IN
J4202
TC IN
J4117
REAR JACK
J6001
J4114
J4101
J4118
VIDEO IN
VIDEO OUT
TC OUT
J4115
J4102
J4104
PB IN
PB OUT
VIDEO MON OUT
J6002
J4116
J4103
MON L OUT
PR IN
PR OUT
AUDIO MON OUT
J4119
P4104
MON R OUT
P6002

(COMPONENT SIDE)

AUDIO JACK P.C. BOARD (VEP84322B)

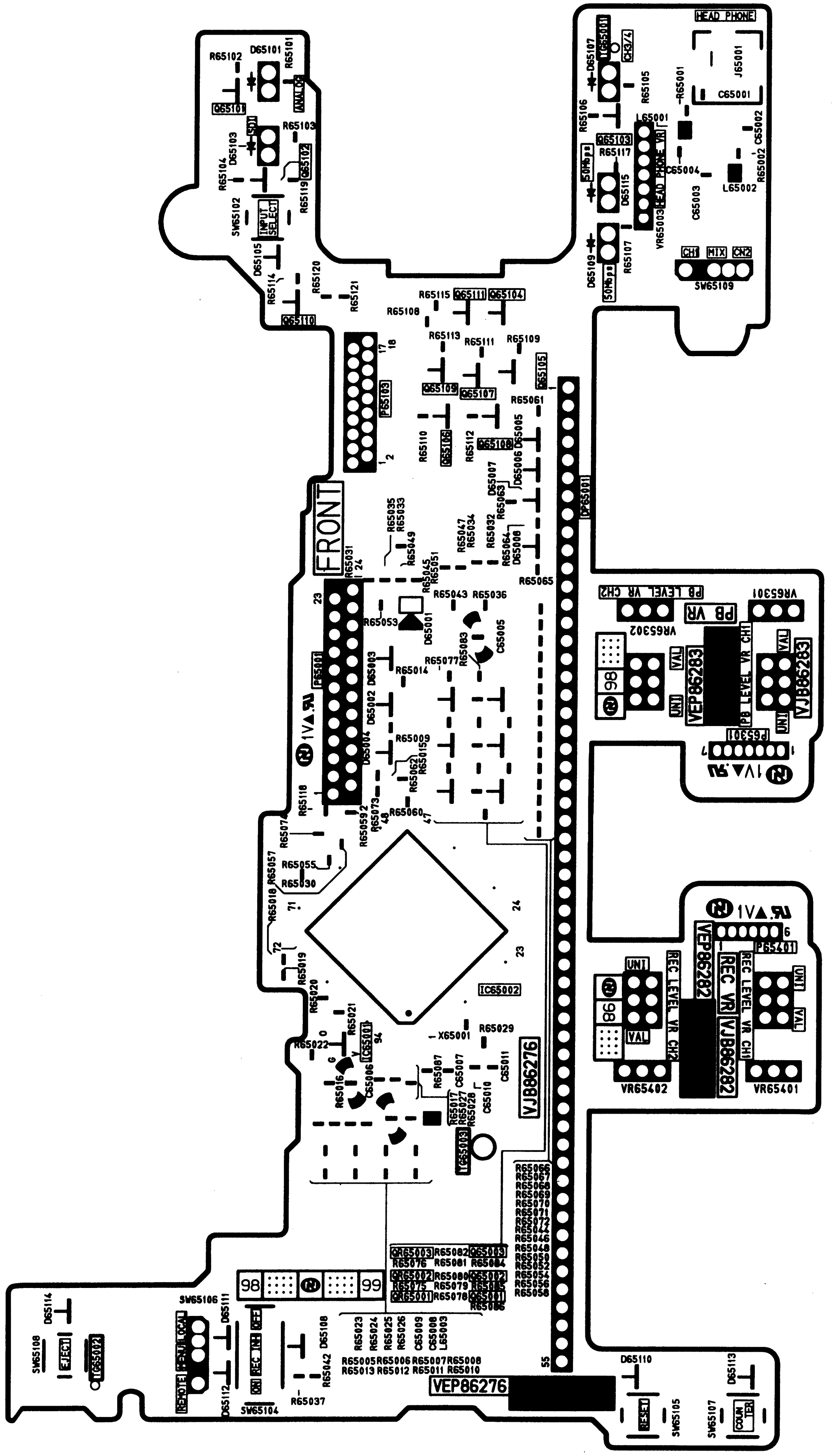

P4103
CH2 IN
CH1 IN
J4002
J4001
VJB84322
AUDIO JACK
VEP84322
CH2 OUT
J4003
CH1 OUT
J4004
P4001

(FOIL SIDE)

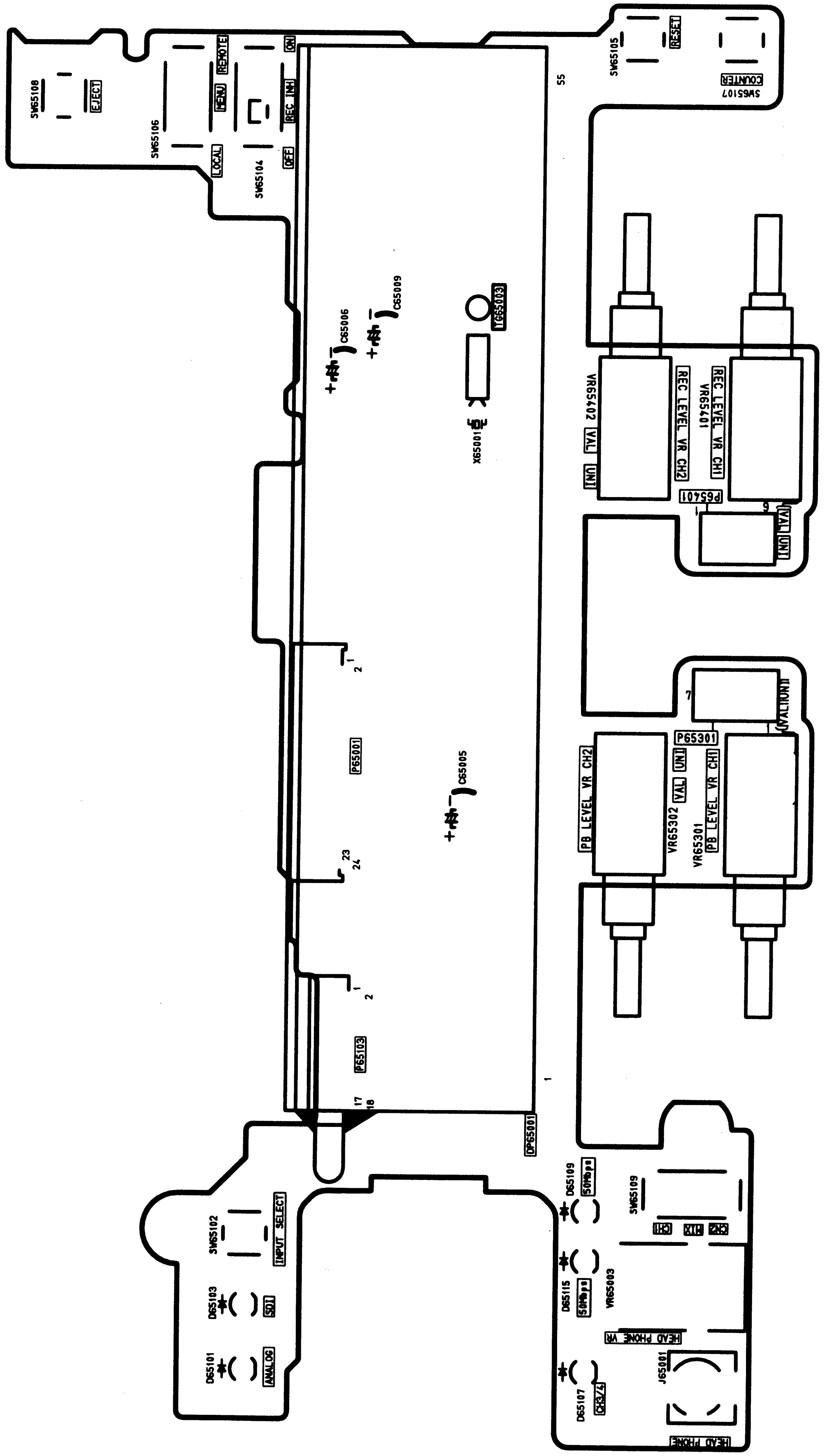

AUDIO JACK
J4001
CH1 IN
J4002
P4103
CH2 IN
J4003
CH1 OUT
J4004
CH2 OUT

(COMPONENT SIDE)

FRONT P.C. BOARD (VEP86276A) / PB VR P.C. BOARD (VEP86283A) / REC VR P.C. BOARD (VEP86282A)

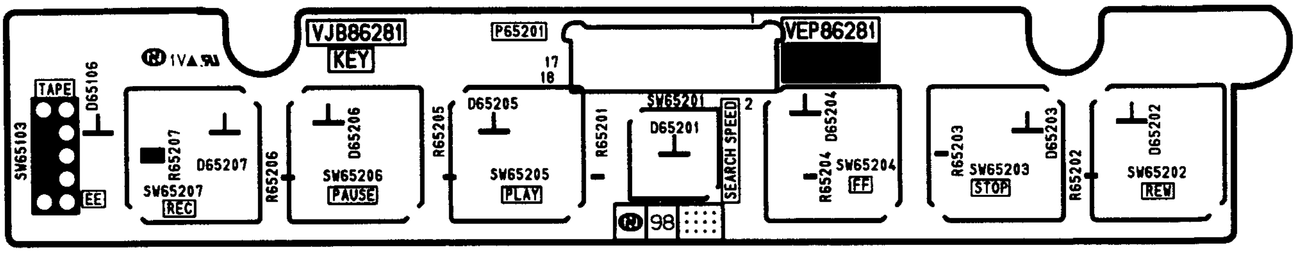

HEAD PHONE
FRONT
PB VR
VEP86283
VJB86283
PB LEVEL VR CH2
PB LEVEL VR CH1
VR65301
VR65302
P65301
REC VR
VEP86282
VJB86282
REC LEVEL VR CH2
REC LEVEL VR CH1
VR65401
VR65402
P65401
IC65002
X65001
VJB86276
VEP86276
CP65001
P65001
P65103
SW65109
CH1
MIX
CH2

(FOIL SIDE)

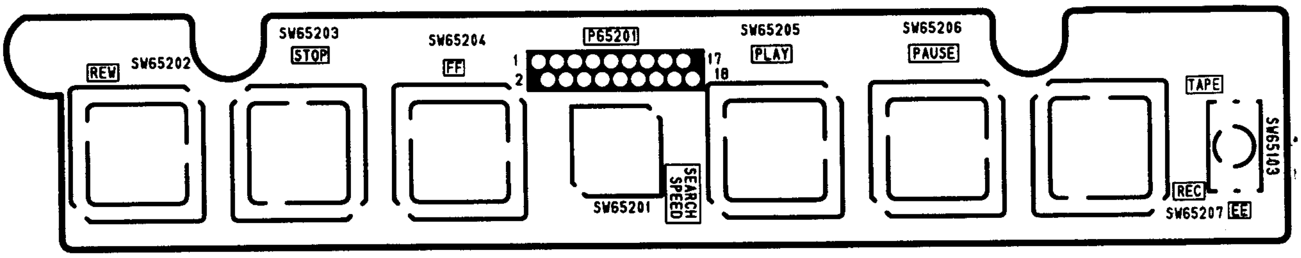

EJECT
REMOTE
ON
REC INH
OFF
LOCAL
RESET
COUNTER
REC LEVEL VR CH1
REC LEVEL VR CH2
VR65401
VR65402
P65401
PB LEVEL VR CH1
PB LEVEL VR CH2
VR65301
VR65302
P65301
P65001
P65103
X65001
IC65003
INPUT SELECT
ANALOG
HEAD PHONE VR
HEAD PHONE
J65001
SW65109
CP65001

(COMPONENT SIDE)

KEY P.C.BOARD (VEP86281A)

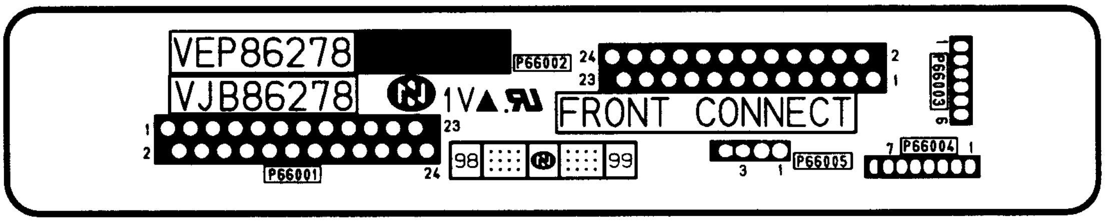

VJB86281
KEY
P65201
VEP86281
1VA
TAPE
SW65103
D65106
EE
R65207
D65207
SW65207
REC
R65206
D65206
SW65206
PAUSE
R65205
D65205
SW65205
PLAY
R65201
SW65201
D65201
SEARCH SPEED
17
18
2
D65204
R65204
SW65204
FF
R65203
SW65203
STOP
D65203
R65202
D65202
SW65202
REW
98

(FOIL SIDE)

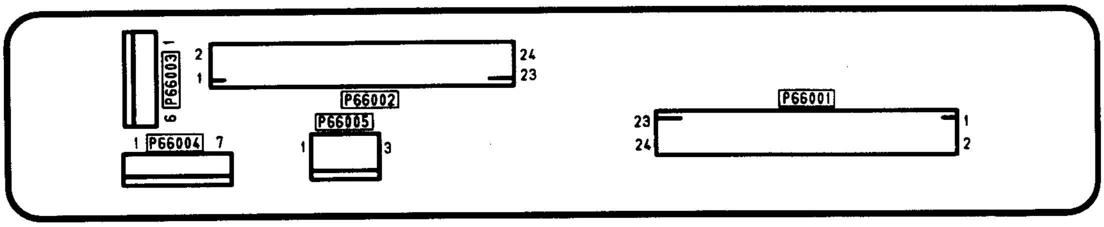

REW
SW65202
SW65203
STOP
SW65204
FF
P65201
1
2
17
18
SW65205
PLAY
SW65206
PAUSE
TAPE
SW65103
SW65201
SEARCH SPEED
REC
SW65207
EE

(COMPONENT SIDE)

FRONT CONNECT P.C.BOARD (VEP86278A)

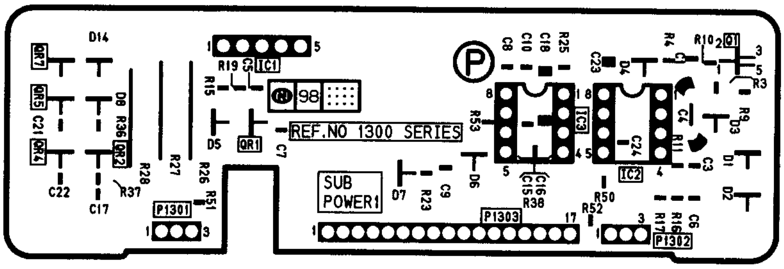

VEP86278
VJB86278
P66002
24
23
2
1
1VA
FRONT CONNECT
P66003
1
6
1
2
23
24
P66001
98
99
3
1
P66005
7
P66004
1

(FOIL SIDE)

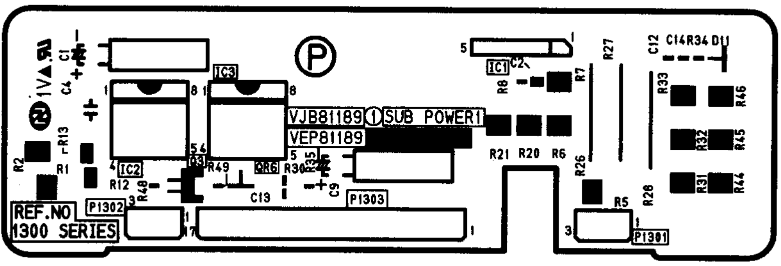

P66003
1
6
2
1
24
23
P66002
P66005
1
3
1
P66004
7
P66001
23
24
1
2

(COMPONENT SIDE)

POWER 1 SUB P.C.BOARD (VEP81189A)

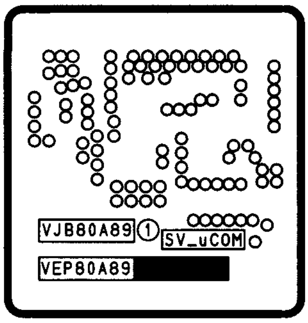

REF.NO 1300 SERIES
SUB POWER1
P1301
P1302
P1303
IC1
IC2
IC3
98

(FOIL SIDE)

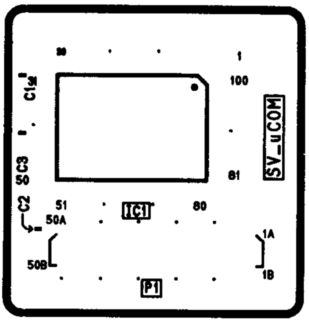

VJB81189
SUB POWER1
VEP81189
REF.NO 1300 SERIES
P1301
P1302
P1303
IC1
IC2
IC3

(COMPONENT SIDE)

SV-uCOM P.C. BOARD (VEP80A89D/E)

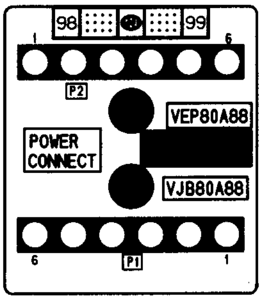

VJB80A89
SV_uCOM
VEP80A89

(FOIL SIDE)

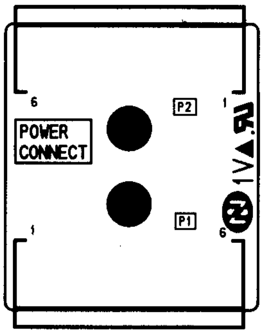

SV_uCOM
IC1
P1
C1
C2
C3
1
100
81
80
51
50
50A
50B
1A
1B

(COMPONENT SIDE)

POWER CONNECT P.C.BOARD (VEP80A88A)


98
99
P2
P1
POWER CONNECT
VEP80A88
VJB80A88
1
6

(FOIL SIDE)


POWER CONNECT
P2
P1
1
6

(COMPONENT SIDE)

SECTION 8

EXPLODED VIEWS
&
REPLACEMENT PARTS LIST

Note:
1. *Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μF), P=pF.
3. The P.C. Board units marked with "■" shown below the main assembled parts.
4. The parts marked withⒺ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
   Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.
   After the discontinuation of this assembly in production, it will no longer be available

<<Abbreviations for part>>

<NAME>		<DESCRIPTIONS>
C. CAPACITOR		CERAMIC CAPACITOR
C. CAPACITOR	CH	CERAMIC CHIP CAPACITOR
E. CAPACITOR		ELECTROLYTIC CAPACITOR
G. CAPACITOR		GLASS CAPACITOR
M. CAPACITOR		MICA CAPACITOR
P. CAPACITOR		PLASTIC FILM CAPACITOR
S. CAPACITOR		SEMI-CONDUCTOR CAPACITOR
T. CAPACITOR		TANTALUM CAPACITOR
TRIMMER		TRIMMER
C. RESISTOR		CARBON RESISTOR
F. RESISTOR		FUSE RESISTOR
M. RESISTOR		METAL OXSIDE RESISTOR
M. RESISTOR	CH	METAL OXSIDE CHIP RESISTOR
S. RESISTOR		SOLID RESISTOR
V. RESISTOR		VARIABLE RESISTOR
W. RESISTOR		WIRE WOUND RESISTOR
COMBI. TR-R		TRANSISTOR-RESISTOR COMBINATION PARTS
COMBI. R-R		RESISTOR-RESISTOR COMBINATION PARTS
COMBI. C-R		CAPACITOR-RESISTOR COMBINATION PARTS
COMBI. C-R-R		CAPACITOR-RESISTOR-COIL COMBINATION PARTS
P.C. BOARD		PRINTED CIRCUIT BOARD
W/COMPONENT		WITHCOMPONENT

CONTENTS

Mechanical Replacement Parts List & Exploded Views ········ PRT-1

Mechanical Chassis Assembly (1) ········ PRT-1

Mechanical Chassis Assembly (2) ········ PRT-3

Sub Chassis Assembly ········ PRT-5

Chassis Frame Assembly ········ PRT-7

Casing Parts Assembly ········ PRT-9

Cassette Compartment Assembly ········ PRT-11

Packing Parts Assembly ········ PRT-13

Electrical Replacement Parts List ········ PRT-14

AJ-D95DCE

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	VFK1145	BACK TENSION METER	1	
2	VFK1149	POST DRIVER	1	
3	VFK71	DIAL TORQUE GAUGE (150G)	1	
4	VFK1191	DIAL TORQUE GAUGE (45G)	1	
5	VFK1152	TORQUE GAUGE ADAPTOR	1	
6	VFK0357	ECCENTRIC SCREWDRIVER	1	
7	VFK1154	POST HIGHT TOOL	1	
8	VFK1348	MECH NEWTRAL PLATE	1	
9	VFK1155	NEWTRAL POSITION TOOL	1	
10	VFK1156	NEWTRAL POSITION TOOL	1	
11	VFK1208	NEWTRAL POSITION TOOL	1	
12	VFK1150	NUT DRIVER (5.2MM)	1	
13	VFK1151	NUT DRIVER (2.5MM)	1	
14	VFK1188	DIAL TENSION GAUGE	1	
15	VFK0948A	CHECK LIGHT	1	
16	VFK0749	FROIRAL GREASE	1	
17	MOR265	MORLYTONE GREASE	1	
18	VFK1146	PHILIPS DRIVER	1	
19	VFK1147	SCREW DRIVER	1	
20	VFK1148	HEX DRIVER (1.5MM)	1	
21	VFK1178	HEX DRIVER (0.89MM)	1	
22	VFK1179	HEX DRIVER (0.71MM)	1	
23	VFK1190	HEX WRENCH (1.5MM)	1	
24	VFK1209	TORQUE DRIVER (0.4-3KG)	1	
25	VFK1300	A/D BOARD(DAQ-12,QUATECH)	1	
26	VFM3580K	ALIGNMENT TAPE (NO.1)	1	FOR NTSC
27	VFM3581K	ALIGNMENT TAPE (NO.2)	1	FOR NTSC
28	VFM3582K	ALIGNMENT TAPE (NO.3)	1	FOR NTSC
29	VFM3680K	ALIGNMENT TAPE (NO.1)	1	FOR PAL
30	VFM3681K	ALIGNMENT TAPE (NO.2)	1	FOR PAL
31	VFM3682K	ALIGNMENT TAPE (NO.3)	1	FOR PAL
32	VFK1423	TAPE SENSOR CASSETTE M	1	
33	VFK1375	POST AXIS DRIVER (1.5MM)	1	
34	VFK1194	EXTENSION BOARD	1	
36	VFK1158A	B.E.R. COUNTER TOOL	1	
37	VFK1185	B.E.R. COUNTER CABLE	1	
40	VFK1180	EVR SUB I/F UNIT	1	
41	VFK1187	EVR CABLE	1	
42	VFK1210	MULTI CANON CABLE	1	
43	VFK0369	TWEEZERS	1	
44	VFK0371	RADIO PRIER	1	
45	VFK0372	CUTTER PRIER	1	
46	VFK0338	TRIMMER ADJUSTMENT DRIVER	1	
47	VFK0337	PHILIPS DRIVER	1	
48	VFK0906	OIL	1	
	VFK1481	TAPE INTERCHANGBILITY ADJ	1	
	VFK1369	TAPE BEG/END DET CASSETTE	1	
	VFK1339	EVR SOFTWARE	1	FOR NTSC
	VFK1340	EVR SOFTWARE	1	FOR PAL

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

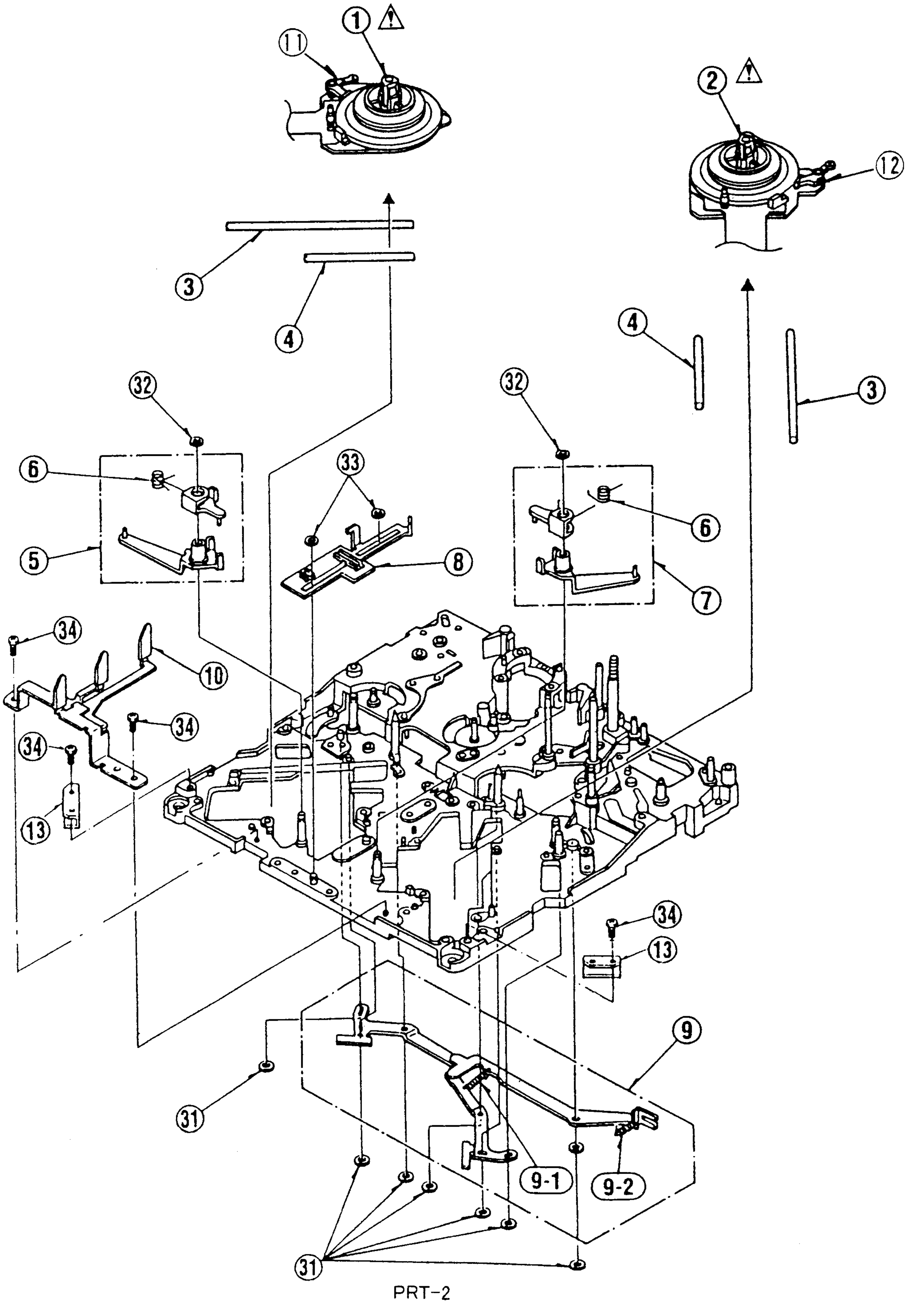
MECHANICAL CHASSIS ASSEMBLY(1)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VEM0686	S REEL MOTOR A ASS'Y	1	(M)
⚠ 2	VEM0687	T REEL MOTOR A ASS'Y	1	(M)
3	VMS5923	REEL OUTER RAIL	2	
4	VMS5924	REEL INNER RAIL	2	
5	VXL2589	S BASE DRIVE ARM ASS'Y	1	
6	VMB2944	CHARGE SPRING	2	
7	VXL2590	T BASE DRIVE ARM ASS'Y	1	
8	VXA5625	SLIDE ROD ASS'Y	1	
9	VXL2597	M STOPPER DRIVE ARM ASS'Y	1	
9-1	VMB2955	M STOPPER SPRING (1)	1	
9-2	VMB3017	M STOPPER SPRING (2)	1	
10	VXA6174	L-M BRAKE RELEASE ASS'Y	1	
11	VXZ0439	S BRAKE ARM ASS'Y	1	
12	VXZ0440	T BRAKE ARM ASS'Y	1	
13	VXZ2603	REEL FLEX COVER	2	
31	VMX1061	WASHER	7	
32	VMX1079	CUT WASHER	2	
33	VMX1394	CUT WASHER	2	
34	XQN2+CF3	SCREW	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.

MECHANICAL CHASSIS ASSEMBLY(1)



① ⚠
⑪
② ⚠
⑫
③
④
④
③
㉜
㉜
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⑥
⑤
⑧
⑥
⑦
㉞
⑩
㉞
㉞
⑬
㉞
⑬
⑨
㉛
9-1
9-2
㉛

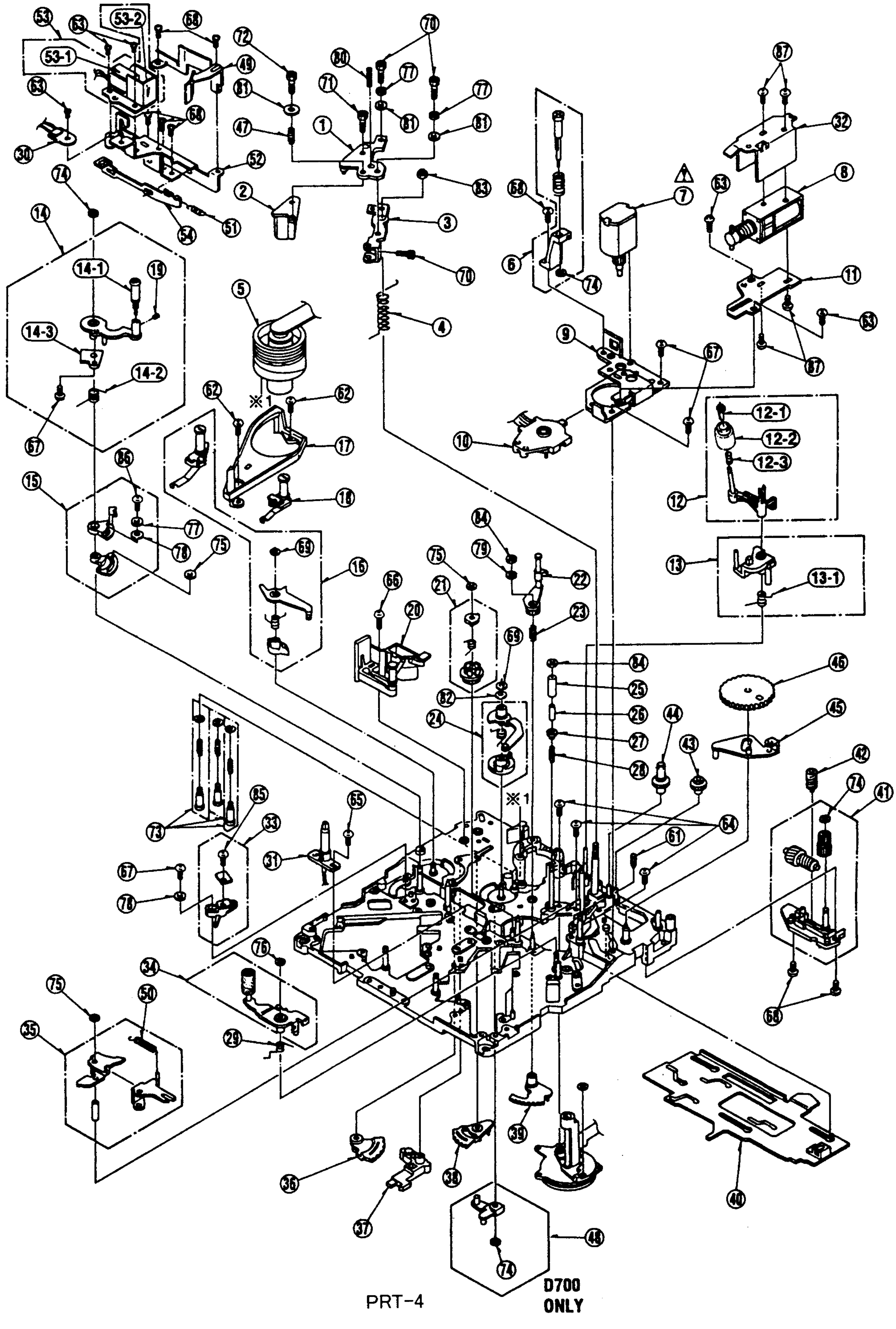
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

MECHANICAL CHASSIS ASSEMBLY(2)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA5554	A/C HEAD BASE (1) ASS'Y	1	
2	VED0419	A/C HEAD	1	(M)
3	VXA6067	A/C HEAD BASE (2) ASS'Y	1	
4	VMB2935	A/C HEAD HIGHT SPRING	1	
⚠ 5	VEG1502	CYLINDER UNIT	1	(M)
6	VXA5715	EMARGENCY SHIFT HOLDER ASS'	1	
⚠ 7	VEM0645	LOADING MOTOR (1)A ASS'Y	1	(M)
8	VSJ0227	PINCH SOLENOID	1	(M)
9	VXA5584	MOTOR ANGLE ASS'Y	1	
10	VES0918	MODE SW ASS'Y	1	(M)
11	VMA0A35	PINCH SOLENOID BASE	1	
12	VXL2924	CLNEANING ARM ASS'Y	1	
12-1	VMX2150	CLEANER ROLLER HOLDER	1	
12-2	VXP1963	CLEANER ROLLER ASS'Y	1	
12-3	VMB3114	CLEANER ROLLER SPRING	1	
13	VXL2870	T2 ARM ASS'Y	1	
13-1	VMB3304	T2 ARM SPRING	1	
14	VXL2832	TENSION ARM A ASS'Y	1	(M)
14-1	VXP1761	TENSION ROLLER	1	
14-2	VMB3220	TENSION LEG SPRING	1	
14-3	VXA6173	MAGNET HOLDER ASS'Y	1	
15	VXA5791	TENSION LEG SPRING HOOK ASS'	1	
16	VXL2812	S1 LOADING ARM ASS'Y	1	(M)
17	VMD3731	LOADING RAIL	1	
18	VXA6379	T1 BOAT ASS'Y	1	(M)
19	VHD0561	HEX SCREW	1	
20	VXA6052	S POST BASE A ASS'Y	1	(M)
21	VXP1683	T4 CONNECTION GEAR ASS'Y	1	
22	VXL2772	T4 ARM ASS'Y	1	
23	VMB2950	T4 THRUST SPRING	1	
24	VXL2953	T LOADING ARM N ASS'Y	1	(M)
25	VMS5906	T3 UPPER FRANGE	1	
26	VMS5905	T3 SLEEVE	1	
27	VMS5904	T3 LOWER FRANGE	1	
28	VMB2929	T3 SPRING	1	
29	VMB2933	PINCH RELEASE SPRING	1	
30	VEK7927	INSULLATION SENSOR	1	
31	VEK7691	LED HOLDER P.C.BOARD	1	
32	VMA9411	PINCH SOLENOID ANGLE	1	
33	VXA5820	TENSION SENSOR ASS'Y	1	
34	VXL2835	PINCH ARM ASS'Y	1	(M)
35	VXL2588	PINCH GUIDE ARM ASS'Y	1	
36	VXA5570	T SECTOR GEAR ASS'Y	1	
37	VXL2838	TENSION LEG. GUIDE ARM	1	
38	VXA5567	S SECTOR GEAR ASS'Y	1	
39	VXA5564	T4 SECTOR GEAR ASS'Y	1	
40	VXA6348KIT	MAIN ROD ASS'Y	1	
41	VXA5627	THRUST SHAFT HOLDER ASS'Y	1	
42	VDG1166	MOTOR WARM GEAR	1	
43	VDG1268	MOTOR EMARGENCY GEAR A(A)	1	
44	VDG1267	MOTOR EMARGENCY GEAR B(A)	1	
45	VXL2889	MAIN CAM ARM ASS'Y	1	
46	VDG1168	MAIN CAM GEAR	1	(M)
47	VMB2937	A/C HEAD ADJUST SPRING	1	
48	VXL2600	EJECT ARM ASS'Y	1	
49	VMD3475	T1 GUIDE ASS'Y	1	
50	VMB2934	SPRING	1	
51	VMB3051	CLEANER RETURN SPRING	1	
52	VXA6077	CLEANER BASE 1 ASS'Y	1	
53	VXA6078	CLEANER SOLENOID ASS'Y	1	
53-1	VSJ0226	CLEANER SOLENOID	1	(M)
53-2	VMA9877	CLEANER SOLENOID BASE	1	
54	VMM0429	CLEANER INTERLOCK	1	
55	VXQ0556	THRUST SCREW ASS'Y	1	(M)
56	VMT0871	SILENCER A	1	
57	VMT0872	SILENCER B	1	
61	VHD0356	SCREW	1	
62	XQN2+A3	SCREW	1	
64	XQN2+A35FZ	SCREW	3	
65	XQN2+AM2	SCREW	3	
66	XQN2+AM4	SCREW	1	
67	XQN2+CF3	SCREW	12	
68	XQN2+CF4	SCREW	3	
69	XUC12FP	E-RING	2	
70	XVE2B4FZ	HEX SCREW	3	
71	XVE2B6FP	HEX SCREW	1	
72	XVE2B12FP	HEX SCREW	1	
73	VXQ0439	SCREW	3	
74	VMX0967	CUT WASHER	3	
75	VMX1061	WASHER	3	
76	VMX1079	CUT WASHER	1	
77	XWA2B	WASHER	4	
78	XWE2	WASHER	2	
79	XWE16VW	WASHER	1	
80	XXE2A6FP	HEX SCREW	1	
81	XWG2	WASHER	3	
82	XWGV15Z32G	WASHER	2	
83	VHD0045	NYLON NUT	1	
84	VHN0312	NUT	2	
85	XQN2+AQ3.5FZ	SCREW	1	
86	XQN2+AJ5	SCREW	1	
87	XQN2+A1.5	SCREW	4	
88	XQN2+A4	SCREW	1	
89	VMX1394	CUT WASHER	1	
*	VXY1432Z1	MECHANISM	1	

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

MECHANICAL CHASSIS ASSEMBLY(2)


53
63
53-2
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70
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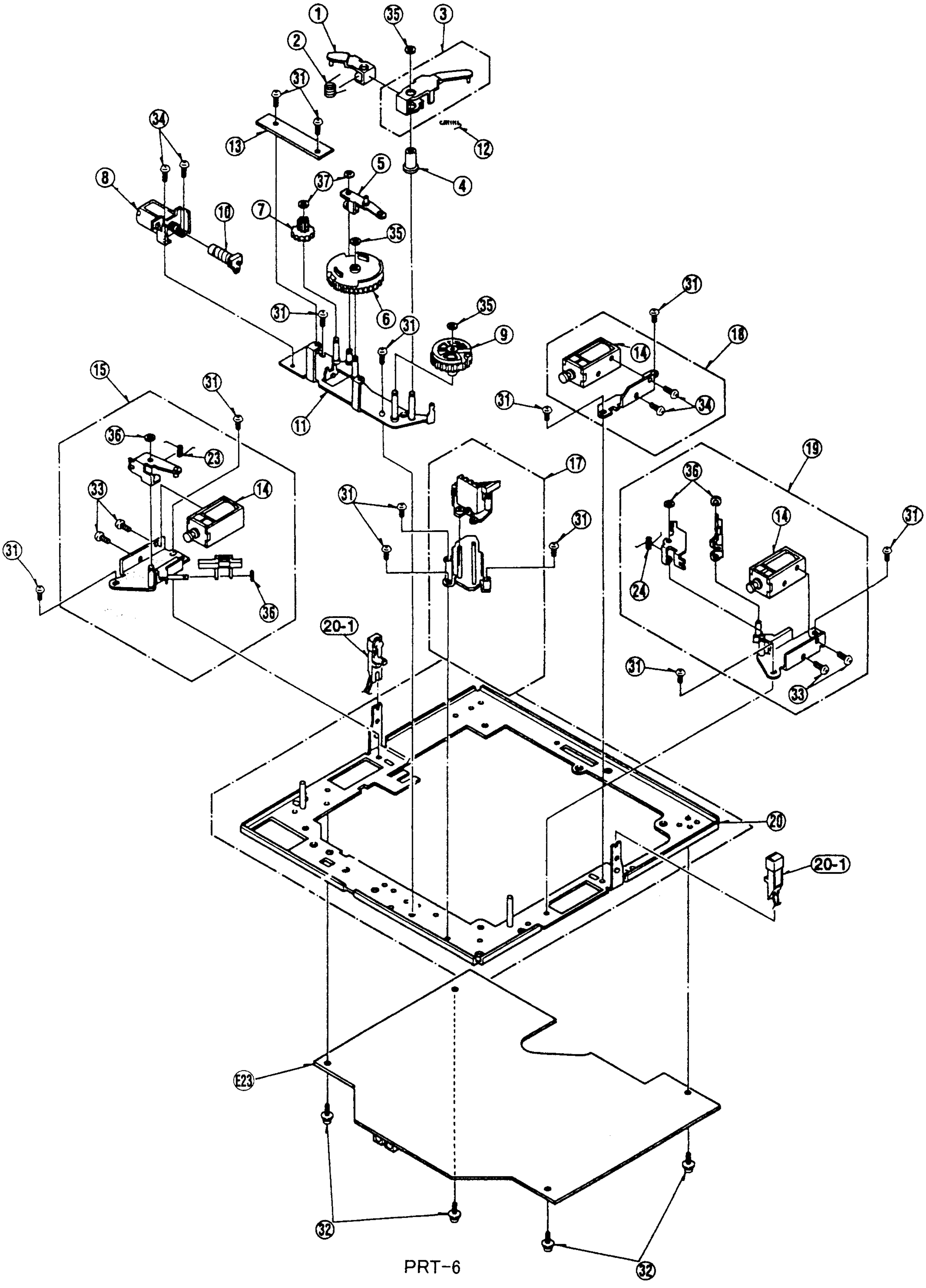
SUB CHASSIS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXL2656	MIC DRIVE ARM (A) ASS'Y	1	
2	VMB3018	MIC DRIVE SPRING	1	
3	VXL2657	MIC DRIVE ARM (B) ASS'Y	1	
4	VDB1429	MIC DRIVE ARM BOSS	1	
5	VXL2613	REEL DRIVE ARM ASS'Y	1	
6	VDG1192	REEL DRIVE CAM GEAR	1	
7	VDG1193	REEL DRIVE WORM WHEEL	1	
8	VEM0585	REEL DRIVE MOTOR ASS'Y	1	(M)
9	VDG1211	MIC GENEVA GEAR	1	
10	VXP1698	REEL DRIVE WORM ASS'Y	1	
11	VXA5628	MOTOR BASE ASS'Y	1	
12	VMB3019	MIC DRIVE RETURN SPRING	1	
13	VEK7726	REEL SENSOR P.C.BOARD	1	
14	VSJ0216	BRAKE SOLENOID	3	(M)
15	VXA5575	S-BRAKE SOLENOID BASE ASS'Y	1	
17	VXA6199	DISTINCTION SW ASS'Y	1	(M)
18	VXA5579	M STOPPER SOLENOID ASS'Y	1	
19	VXA5887	T-BRAKE SOLENOID BASE ASS'Y	1	
20	VXK1336	SUB CHASSIS	1	
21	VEK7692	SENSOR HOLDER ASS'Y	1	
22	VMS6193	T BRAKE RELEASE ARM SHAFT	1	
23	VMB2957	S BRAKE SPRING	1	
24	VMB2987	T BRAKE SPRING	1	
31	XQN2+CF3	SCREW	13	
32	XYN26+K6	SCREW	4	
33	XQN2+A1.5	SCREW	2	
34	XQN2+A2	SCREW	2	
35	VMX1079	CUT WASHER	5	
36	VMX0967	CUT WASHER	4	
37	VMX1548	CUT WASHER	2	
38	XQN2+A1.5	SCREW	4	
E23	VEP82218B	SERVO P.C.BOARD	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

SUB CHASSIS ASSEMBLY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Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

CHASSIS FRAME ASSEMBLY

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VEK8566	POWER ASS'Y	1	
1-1	VSC4997	POWER CASE (B)	1	
1-2	VSC4858	POWER CASE (D)	1	
1-3	VSC4996	POWER CASE (C)	1	
⚠ 1-4	VSC4986	POWER CASE (A)	1	
⚠ 1-5	VMZ2879	SHIELD SHEET (B)	1	
⚠ 1-6	VMZ2878	SHIELD SHEET (A)	1	
1-7	VMZ2880	SHIELD SHEET (C)	1	
1-8	VJF0469	CLAMPER	1	
1-9	VEE0E65	DC OUT CABLE	1	
1-10	VJP1885	CONNECTOR (MALE)	1	
1-11	VJF0285	WIRE LOCKING SADDLE	1	
⚠ 1-12	VJF1005	FUSE HOLDER	1	
1-13	VRF0216	FAN MOTOR	1	
⚠ 1-14	VJP0083	AC INLET	1	
1-16	VGF0798	DUST PROOF SHEET (B)	1	
1-17	VGF0799	DUST PROOF SHEET (C)	1	
1-18	VGF0800	DUST PROOF SHEET (D)	1	
1-19	VMT1015	DUST PROOF CUSHION (B)	1	
1-20	VMT1014	DUST PROOF CUSHION (A)	1	
⚠ 1-21	VMZ1252	AC INLET COVER	1	
⚠ 1-22	VMZ2139	FUSE HOLDER COVER	1	
1-23	VEE0F62	AC GND	1	
⚠ 1-24	XBA1C25TH15	FUSE	1	
3	VYH0271	HANDLE ASS'Y	1	
3-1	VGM1569	HANDLE COVER	1	
3-2	VMX2958	HANDLE SPACER	2	
3-3	VMP5938	HANDLE ANGLE	2	
3-4	VKH0388	HANDLE	1	
3-5	VGF0761	DUST PROOF SHEET (A)	1	
3-6	VMT0999	DUST PROOF CUSHION (L)	1	
4	VMP5866	BACK FRAME	1	
5	VMP5865	CENTER FRAME	1	
6	VMP5878	SIDE FRAME (R)	1	
7	VGF0775	EDGE GUARD SHEET	1	
8	VKC0554	SPACER	2	
9	VGF0784	DUST PROOF SHEET (E)	1	
10	VGQ5168	P.C.BOARD GUARD RAIL	2	
11	VMP5902	RAIL ANGLE	1	
12	VGQ1016	GUIDE RAIL	3	
13	VMP5906	P.C.BOARD HOLDER ANGLE	1	
14	VMP5905	P.C.BOARD ANGLE	1	
15	VJF0004	WIRE SADDLE	2	
16	VKA0117	PLASTIC FOOT	4	
17	VMP5875	FRONT FRAME	1	
18	VMT0965	DUST PROOF CUSHION (A)	1	
19	VGF0762	DUST PROOF SHEET (B)	1	
20	VGF0789	DUST PROOF BARRIER (D)	1	
21	VGF0787	DUST PROOF BARRIER (B)	1	
22	VMT0998	DUST PROOF CUSHION (K)	1	
23	VMT0997	DUST PROOF CUSHION (J)	1	
24	VMT0996	DUST PROOF CUSHION (I)	1	
25	VMT0977	DUST PROOF CUSHION (G)	1	
26	VMT1001	DUST PROOF CUSHION (N)	1	
27	VMT1002	DUST PROOF CUSHION (O)	1	
28	VMT0976	DUST PROOF CUSHION (F)	1	
29	VMT1000	DUST PROOF CUSHION (M)	1	
30	VGF0783	DUST PROOF SHEET (D)	1	
31	VMP5867	BOTTOM FRAME	1	
32	VML2903	AC CORD HOOK	1	
33	VEE0E66	POWER 3 PW CABLE	1	
34	VKC0554	SPACER	2	
35	VMT0936	GASKET	2	
36	VMT0822	GASKET (T)	2	
37	VMT0906	GASKET	4	
100	XTV3+6F	SCREW	17	
101	XYE3+EF6FR	SCREW	17	
102	XTV3+10F	SCREW	4	
103	XTV3+6FFZ	SCREW	2	
104	XTV3+6FFR	SCREW	2	
105	XTV3+8F	SCREW	12	
106	XSN3+16FZ	SCREW	2	
107	XSN26+6FC	SCREW	2	
108	XYE4+EF8	SCREW	1	
109	XSS4+14FZ	SCREW	2	
E1	VEP80A87A	MOTHER P.C.BOARD	1	
E2	VEP83426B	VIDEO P.C.BOARD	1	
E3	VEP83427B	REC PB P.C.BOARD	1	
E4	VEP84319B	AUDIO P.C.BOARD	1	
E5	VEP83428B	V IN P.C.BOARD	1	
E6	VEP83429B	V OUT P.C.BOARD	1	
E7	VEP84320B	AV I/O P.C.BOARD	1	
E8	VEP85172A	RF P.C.BOARD	1	
E9	VEP86274B	AV SYS P.C.BOARD	1	
E10	VEP80A88A	POWER CONNECT P.C.BOARD	1	
E11	VEP81203A	POWER 1 P.C.BOARD	1	
E12	VEP81187C	POWER 2 P.C.BOARD	1	
E13	VEP81188A	POWER 3 P.C.BOARD	1	

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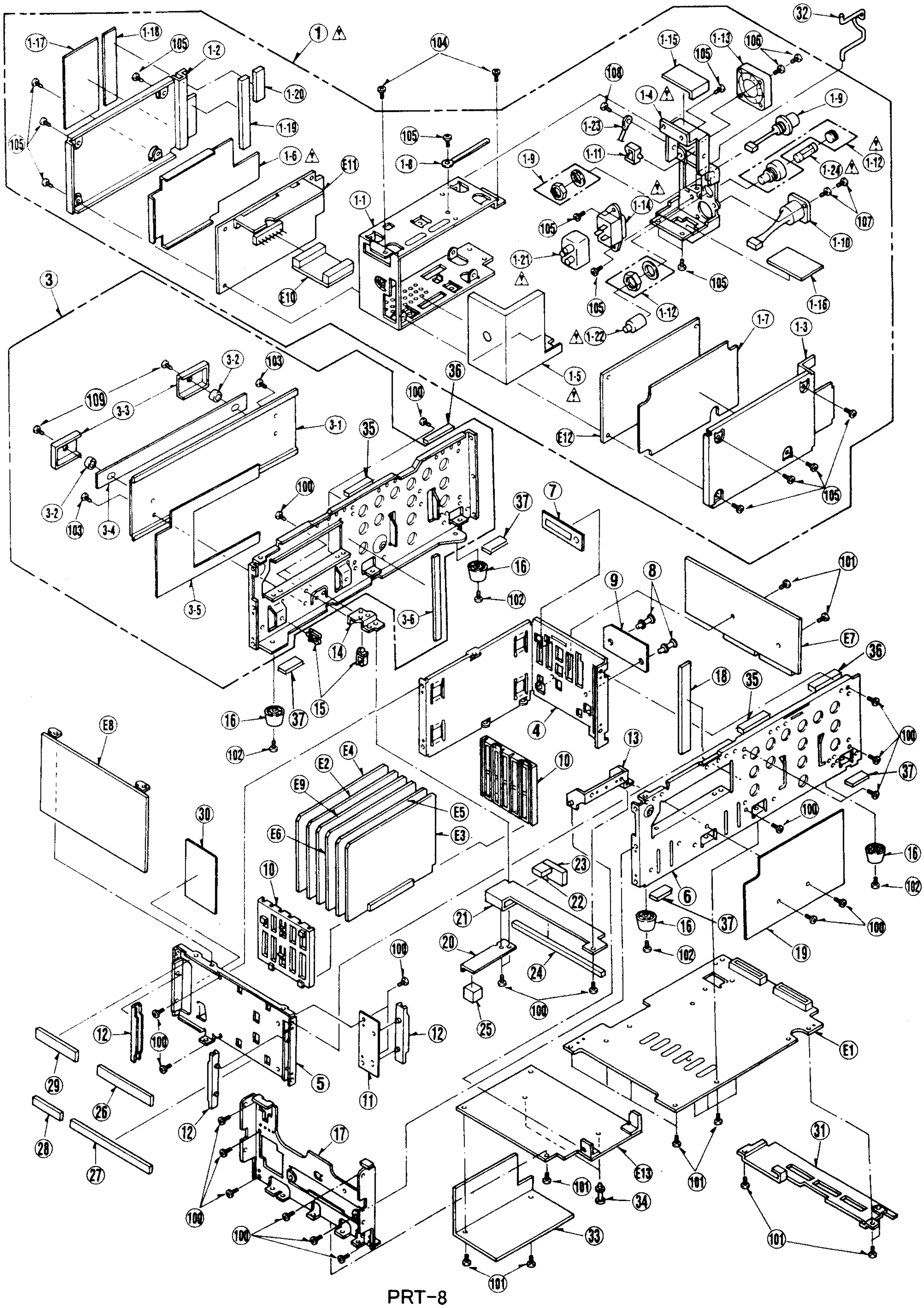
CHASSIS FRAME ASSEMBLY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CASING PARTS ASSEMBLY

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYM0186	TOP PANEL ASS'Y	1	
1-1	VHD0274	SCREW	2	
1-2	VMP5903	TOPPANEL ANGLE	1	
1-3	VMX2510	SPACER	2	
1-4	VMT0965	FILTER CUSHION (A)	1	
1-5	VMT0975	FILTER CUSHION (E)	1	
1-6	VMZ2325	TOP PANEL BARRIER	1	
2	VXA6278	CHASSIS ANGLE	1	
3	VXA6618	P.C.BOARD ANGLE (A) ASS'Y	1	
3-1	VMP5882	P.C.BOARD ANGLE (B) ASS'Y	1	
3-2	VMX2820	P.C.BOARD GUM (A)	1	
3-3	VMX2830	P.C.BOARD GUM (B)	1	
3-4	VMX2896	P.C.BOARD GUM (C)	1	
3-5	VMT0847	GASKET	1	
4	VJH1091	JACK PANEL	1	
5	VMP6176	BLANK PANEL	1	
6	VMP5910	BLANK PANEL	1	
7	VGF0805	SHUTTER (E)	1	
8	VRF0216	FAN MOTOR	1	
9	VWJ22SW280L0	AV REMOTE FFC	1	
10	VWJ1274	REAR JACK FFC	1	
11	VWJ1273	AUDIO JACK FFC	1	
14	VMZ2909	SHEET (B)	2	
15	VGF0786	DUST BARRIER (A)	1	
16	VGF0790	DUST BARRIER (E)	1	
17	VMT0978	DUST PROOF CUSHION (H)	1	
18	VYP7034	FRONT PANEL (1) ASS'Y	1	
18-1	VGU3894	BUTTON	3	
18-2	VMB2597	BUTTON SPRING	3	
18-3	VGQ3176	PUSH BUTTON	3	
19	VXU1160	REC VR KNOB ASS'Y	2	
20	VXU0768	VR KNOB ASS'Y	2	
21	VMP5873	VR ANGLE	1	
22	VGF0687	SLIDE SW SHEET	3	
23	VGU5582	SWITCH KNOB	3	
24	VGU5605	KNOB	1	
25	VMP5908	OP P.C.BOARD ANGLE	1	
26	VGU8134	TOGGLE SW KNOB	1	
27	VGK2475	TOGGLE SW SHEET	1	
29	VMP5909	TOP PANEL ANGLE	1	
30	VKF2906	BLINDER PANEL	1	
31	VMB2923	BLINDER SPRING	1	
32	VYQ1401	CASSETTE GUIDE ASS'Y	1	
33	VGF0706	FLEXIBLE CABLE BARRIER	1	
34	VMZ2905	FRONT P.C.BOARD BARRIER	1	
35	VWJ24AW210M0	FRONT (1) FFC	1	
37	VYF2665	BOTTOM PANEL ASS'Y	1	
37-1	VMG1197	FOOT	2	
37-2	VMT0976	DUST PROOF CUSHION (F)	2	
37-3	VMT1003	DUST PROOF CUSHION (P)	1	
37-4	VMT0965	DUST PROOF CUSHION (B)	2	
37-5	VMT0967	DUST PROOF CUSHION (C)	1	
37-6	VMT0968	DUST PROOF CUSHION (D)	2	
37-7	VGF0834	DUST SHEET	1	
38	VGF0763	DUST SHEET (C)	1	
⚠ 40	VES0921	POWER SW ASS'Y	1	
41	VGU8051	POWER BUTTON	1	
42	VWJ1276	KEY FFC	1	
43	VMT0904	GASKET	1	
45	VSC4984	GND PLATE	2	
46	VMT0798	GASKET D	1	
47	VMX2930	SPACER	1	
48	VSC4985	GND PLATE	1	
49	VMT0517	CONDUCTIVE GASKET	8	
100	XQN26+A25FC	SCREW	3	
101	XTV3+6F	SCREW	14	
102	XTV3+6FFR	SCREW	6	
103	XTV3+6FFZ	SCREW	8	
104	XSN26+6FZ	SCREW	8	
105	XYE4+EF8	SCREW	1	
106	XTN3+10JFZ	SCREW	9	
107	XYN3+F6FRS	SCREW	4	
108	XTV3+8G	SCREW	8	
109	XYE3+EJ10FR	SCREW	5	
110	XTN4+10G	SCREW	1	
111	XSB4+4FCW	SCREW	4	
112	XTV3+8FFZ	SCREW	10	
113	XNG3BS	NUT	2	
114	XUC3F	E-RING	2	
115	XSN3+16FZ	SCREW	2	
E14	VEP86278A	REMOTE P.C.BOARD	1	
E15	VEP84321B	REAR JACK P.C.BOARD	1	
E16	VEP84322B	AUDIO JACK P.C.BOARD	1	
E17	VEP86282A	REC VR P.C.BOARD	1	
E19	VEP86276A	FRONT P.C.BOARD	1	

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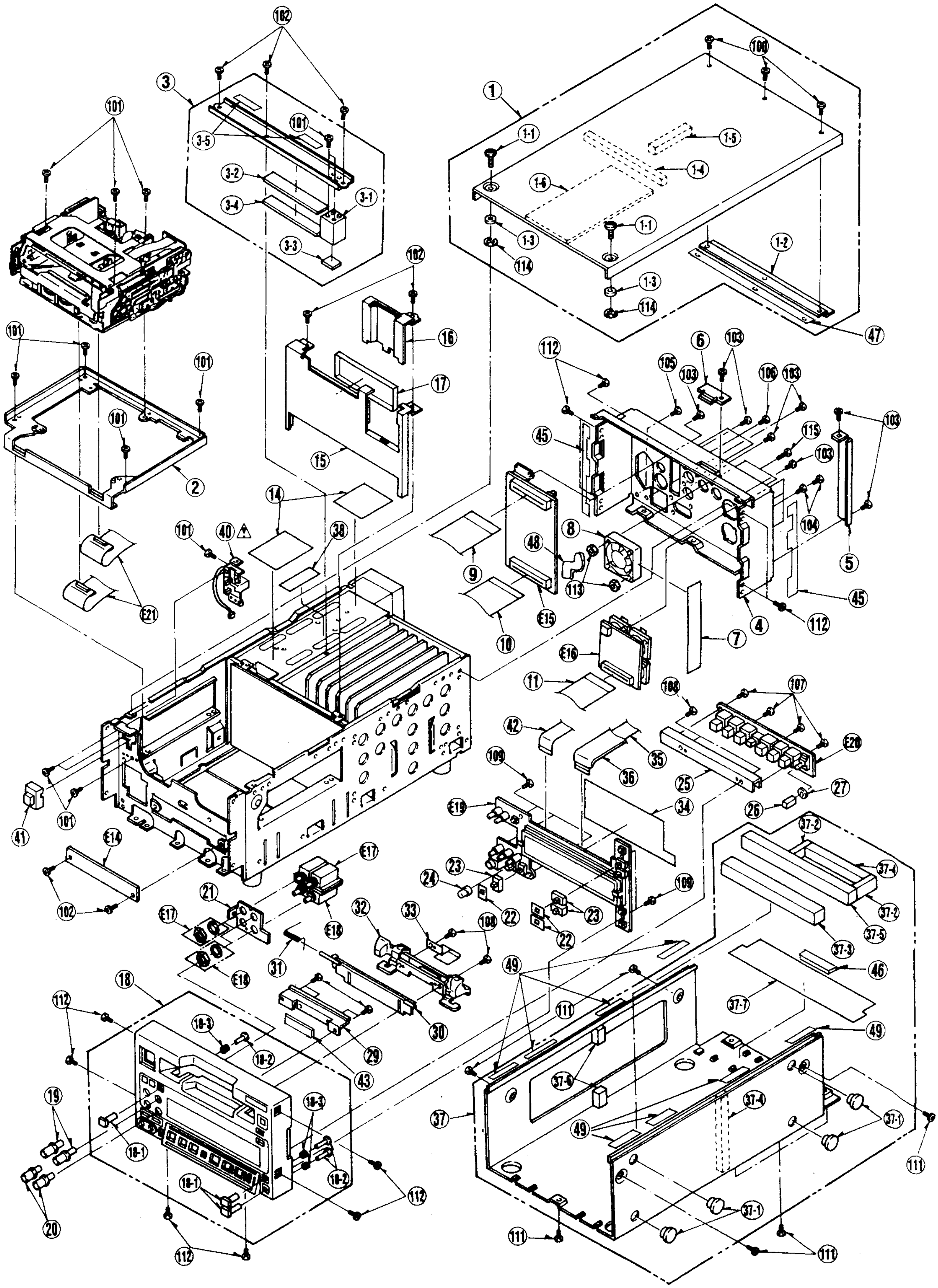
CASING PARTS ASSEMBLY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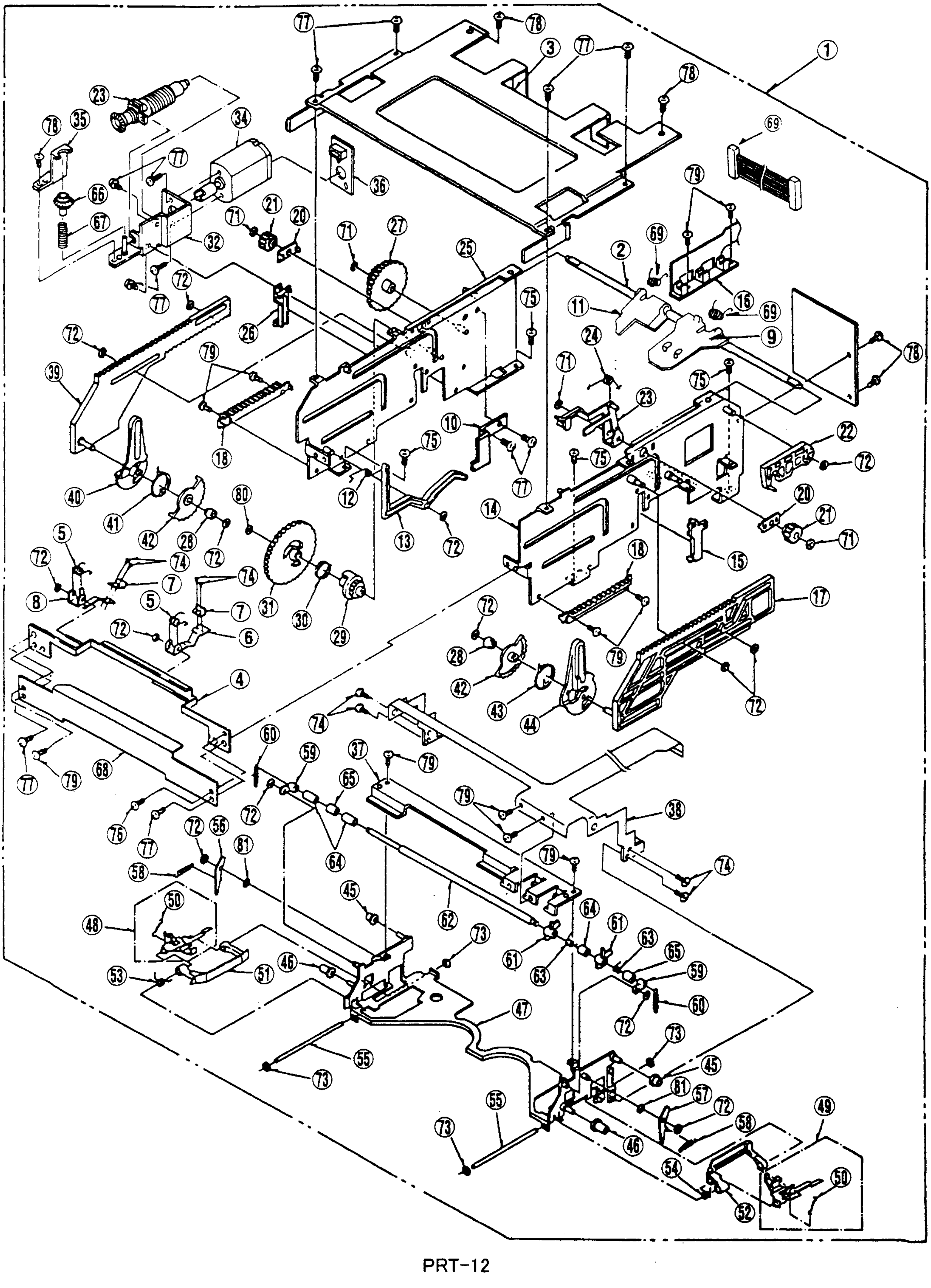
CASSETTE COMPARTMENT ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA6596	CASSETTE COMPARTMENT	1	
2	VMS5865	MAIN SHAFT	1	
3	VMA9849	TOP PLATE	1	
4	VXA6572	FRONT GUIDE 1 ASS'Y	1	
5	VMB3075	M GUIDE SPRING	2	
6	VML3191	M GUIDE RIGHT LEVER	1	
7	VML3192	M FRONT GUIDE	2	
8	VML3190	M GUIDE LEFT LEVER	1	
9	VML3397	CASSETTE PROTECT PLATE	1	
10	VMA9760	L OPENER	1	
12	VMB2926	SPRING	1	
13	VML2A50	BLINDER PANEL OPENER	1	
14	VXA6074	R SIDE PLATE 1 ASS'Y	1	
15	VML3282	SUB RAIL (R)	1	
16	VEK7695	SIDE FLEXIBLE	1	
17	VXA5766	MAIN RACK R ASS'Y	1	
18	VDG1156	WIPER RACK	2	
20	VDB1395	MAIN SHAFT ANGLE	2	
21	VDG1412	INTERLOCK GEAR	2	
22	VML3193	OPENER DRIVE ARM	1	
23	VXL2692	OPENER ANGLE ASS'Y	1	
24	VMB2979	SPRING	1	
25	VXA6072	SIDE PLATE L 1 ASS'Y	1	
26	VML3281	SUB RAIL (L)	1	
27	VDG1413	INTERAMEDIATE GEAR	1	
28	VDP1643	WIPER ROLLER	2	
29	VDG1414	CLUTCH GEAR	1	
30	VMB2980	CLUTCH SPRING	1	
31	VDG1236	WORM WHEEL	1	
32	VXA5848	MOTOR ANGLE (A) ASS'Y	1	
33	VXP1797	E.E SLOT IN WORM ASS'Y	1	
34	VXA5597	MOTOR ASS'Y	1	(M)
35	VMA9673	EMARGENCY ANGLE	1	
36	VEK7793	MOTOR P.C.BOARD	1	
37	VMA9668	HOLDER PLATE	1	
38	VEK7715	HOLDER FLEXIBLE ASS'Y	1	
39	VXA6075	MAIN RACK (L) ASS'Y	1	
40	VML3485	WIPER ARM (R)	1	
41	VMB3391	WIPER ARM (L)	1	
42	VDG1163	WIPER GEAR	2	
43	VMB3390	WIPER SPRING (L)	1	
44	VML3484	WIPER SPRING (R)	1	
45	VDP1642	CASSETTE GUIDE ROLLER (2)	2	
46	VDP1641	CASSETTE GUIDE ROLLER (1)	2	
47	VXA5757	CASSETTE HOLDER 1 ASS'Y	1	
48	VXA5758	ROD L	1	
49	VXA5759	ROD R	1	
50	VMB3064	SLIDE SPRING	2	
51	VML3249	SIDE GUIDE L	1	
52	VML3250	SIDE GUIDE R	1	
53	VMB3061	SLIDE GUIDE SPRING L	1	
54	VMB3062	SLIDE GUIDE SPRING R	1	
55	VMS6108	KICK OFF ROD SHAFT	2	
56	VML2A54	KICK OFF ARM L	1	
57	VML2A55	KICK OFF ARM R	1	
58	VMB2928	KICK OFF SPRING	2	
59	VML2A53	CASSETTE HOLDER ARM	2	
60	VMB2927	CASSETTE HOLDER SPRING	2	
61	VMX2833	M-L DETECT ROLLER	2	
62	VMS5882	CASSETTE HOLDER SHAFT	1	
63	VMB3253	M-L DETECT SPRING	2	
64	VMX2559	CASSETTE PRESSURE ROLLER(2)	3	
65	VMX2524	CASSETTE PRESSURE ROLLER(1)	1	
66	VDG1246	EMARGENCY GEAR	1	
67	VMB3109	EMARGENCY SPRING	1	
68	VMZ2661	FRONT GUIDE COVER	1	
71	VEE9577	CABLE	1	
100	VMX0653	CUT WASHER	5	
101	VMX0967	CUT WASHER	14	
102	VMX1061	WASHER	4	
103	XQN16+A2	SCREW	10	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
104	XQN2+CF3	SCREW	4	
105	XQN16+A25	SCREW	2	
106	XYN2+C3	SCREW	12	
107	XQN2+A3	SCREW	10	
108	XWGV2D5G	WASHER	2	
109	XWGV2Y4G	WASHER	2	
110	XWGV2Z5G	WASHER	2	
E21	VEP80856A	CARRIGE P.C.BOARD	1	

CASSETTE COMPARTMENT ASSEMBLY



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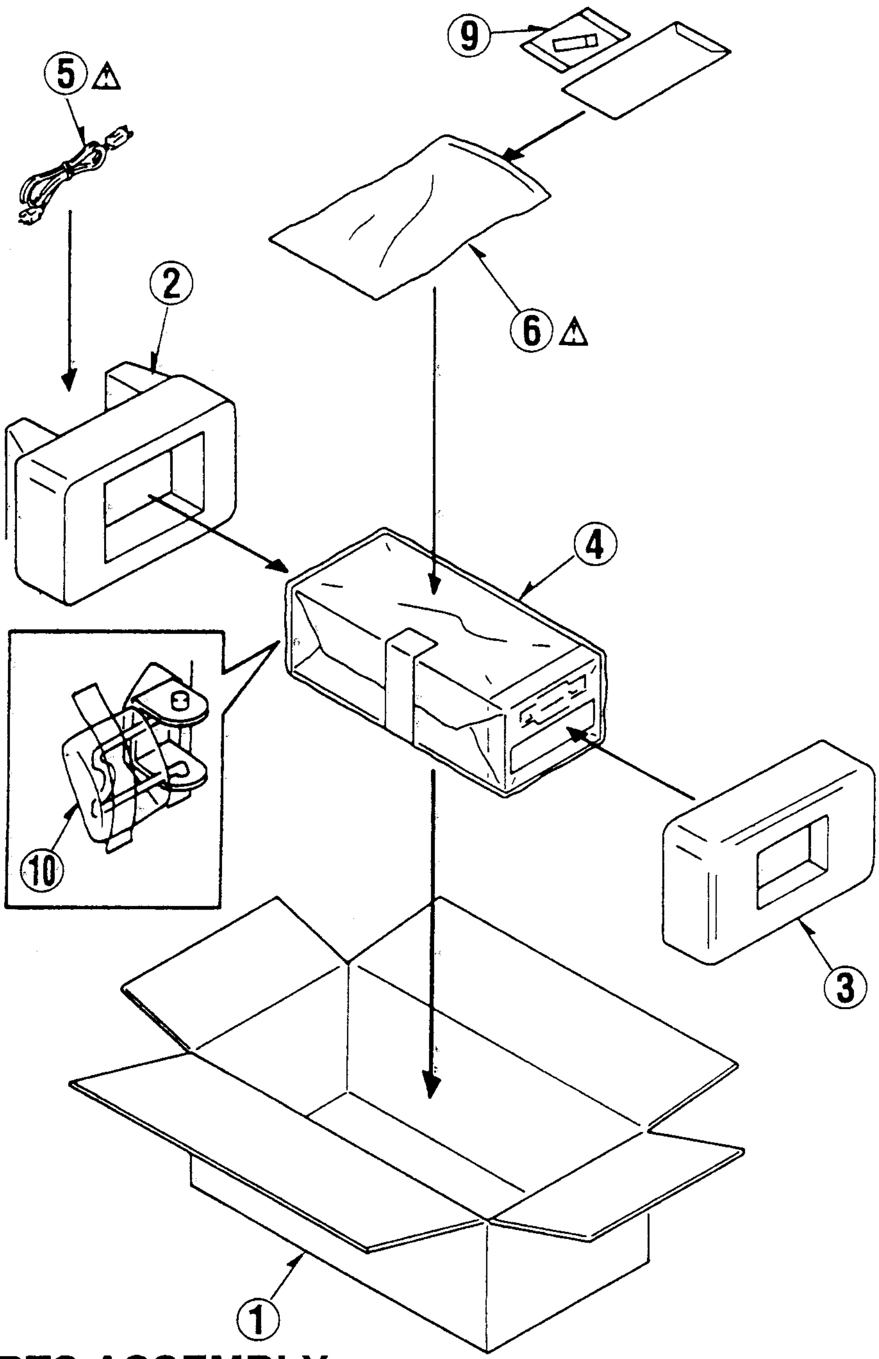
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

PACKING PARTS ASSEMBLY



PACKING PARTS ASSEMBLY

AJ-D95DCE

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPG9883	PACKING CASE	1	
2	VPN5024	CUSHION (R)	1	
3	VPN5023	CUSHION (L)	1	
4	VPF0876	POLYETHYLENE BAG	1	
⚠ 5	VJA0746	POWER CODE	1	
⚠ 5	VJA0738	AC CORD	1	
⚠ 6	VQT8016	OPERATING INSTRUCTIONS	1	
9	VXF0170	EMARGENCY EJECT ASS'Y	1	
10	VPF0892	PROTECTOR BAG (2)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP80A87A	MOTHER P.C.BOARD	1	(RTL)
■ E2	VEP83426B	VIDEO P.C.BOARD	1	(RTL)
■ E3	VEP83427B	REC PB P.C.BOARD	1	(RTL)
■	VEP88234Q	DV UCOM P.C.BOARD	1	(RTL)FOR VEP83427B
■ E4	VEP84319B	AUDIO P.C.BOARD	1	(RTL)
■ E5	VEP83428B	V IN P.C.BOARD	1	(RTL)
■ E6	VEP83429B	V OUT P.C.BOARD	1	(RTL)
■ E7	VEP84320B	AV I/O P.C.BOARD	1	(RTL)
■ E8	VEP85172A	RF P.C.BOARD	1	(RTL)
■ E9	VEP86274B	AV SYSCON P.C.BOARD	1	(RTL)
■ E10	VEP80A88A	POWER CONNECT P.C.BOARD	1	(RTL)
■ E11	VEP81203A	POWER 1 P.C.BOARD	1	(RTL)
■	VEP81189A	SUB POWER 1 P.C.BOARD	1	(RTL)FOR VEP81203A
■ E12	VEP81187C	POWER 2 P.C.BOARD	1	(RTL)
■ E13	VEP81188A	POWER 3 P.C.BOARD	1	(RTL)
■ E14	VEP86278A	REMOTE P.C.BOARD	1	(RTL)
■ E15	VEP84321B	REAR JACK P.C.BOARD	1	(RTL)
■ E16	VEP84322B	AUDIO JACK P.C.BOARD	1	(RTL)
■ E17	VEP86282A	REC VR P.C.BOARD	1	(RTL)
■ E18	VEP86283A	PB VR P.C.BOARD	1	(RTL)
■ E19	VEP86276A	FRONT P.C.BOARD	1	(RTL)
■ E20	VEP86281A	KEY P.C.BOARD	1	(RTL)
■ E21	VEP00Y68A	FFC P.C.BOARD	1	(RTL)
■ E22	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
■ E23	VEP82218B	SERVO P.C.BOARD	1	(RTL)
■	VEP80A89D	SV UCOM P.C.BOARD	1	(RTL)FOR VEP82218B
■	VEP80A89E	SV UCOM P.C.BOARD	1	(RTL)FOR VEP82218B

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP80A87A	MOTHER P.C.BOARD	1	(RTL)
P102	VJS4232A030	CONNECTOR (FEMALE)	1	
P103-06	VJP4168A008	CONNECTOR (MALE)	4	
P107	VJP3926A012	CONNECTOR (MALE)	1	
P108	VJP3926A018	CONNECTOR (MALE)	1	
P201-06	VJS4064N160	CONNECTOR	6	
P207	VJS2899A096	CONNECTOR (FEMALE)	1	
P208	VJS4064K140	CONNECTOR (FEMALE)	1	
P301,02	VJS3600F030	CONNECTOR (FEMALE)	2	
P401,02	VJP3949C070H	CONNECTOR (MALE)	2	
P406	VJS3537B024G	CONNECTOR (FEMALE)	1	
		MISCELLANEOUS		
	VJF1310	CONNECTOR HOLDER	2	
	VKC0295	BOARD SPACER	2	
■ E2	VEP83426B	VIDEO P.C.BOARD	1	(RTL)
C3101,02	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C3103,04	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3105	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C3106	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3107	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3108	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3109	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C3110,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3112	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3113	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C3114,15	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3116	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C3118	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3119	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3120	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3121,22	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3123-26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3127	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3128	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3129	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C3130	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C3131	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3132	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3133	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3134	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3135	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3136	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3137	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3138	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3139	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3140,41	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3142	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3143	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3144	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3145	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3146	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C3147	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3148	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3149	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3150	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3151	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3152	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C3153	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3154	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3155,56	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3157	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3158	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3159	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3160	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3161-64	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3165-67	ECST1CX106Z	T.CAPACITOR CH 16V 10U	3	
C3168,69	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3201	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3202,03	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3204	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3205	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3206	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3207	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C3208,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3210	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3211	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C3212	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3214	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3215	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3216,17	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3218	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3219	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3301	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3302	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3303,04	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	2	
C3305	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3306-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3313	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3315	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3316	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3318,19	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C3320	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C3321	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3322	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3323	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C3324	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3325,26	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	2	
C3327,28	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3401	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3402	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3403	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3404	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3405,06	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C3407-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3410,11	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3412-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3415	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3416	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3417	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3418	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3419	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3420	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3421	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3422	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3423,24	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3425	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3426	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C3427	ECUX1H471JUV	C.CAPACITOR CH 50V 470P	1	
C3428	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3429	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3430	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C3431	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3432	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3433	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3434	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3436,37	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3438	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3439	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3440	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C3444	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3445	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3446	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3501-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3601	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3603	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C3606	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3607,08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3610,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3612	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3613	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3614	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3615	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3616	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3617,18	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3619	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3620,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3622	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3623	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3701	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3703	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C3705	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C3710	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3711	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3712	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3713	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3714	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3715,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3719-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3722	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3723	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3724	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3725,26	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3727,28	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C3729,30	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3731,32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3733	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3734,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3801	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3802-04	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	3	
C3805-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3808	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3809-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C7001	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7002	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7003	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7004	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7005,06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C7007	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7008	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C7009	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C7010	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7011	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C7012	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C7013	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7015	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C7016	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C7017	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7018,19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C7020	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C7022	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C7023	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7024	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7025	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C7026	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C7027	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C7028	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C7029	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C7032-34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C7035	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C7036	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C7037	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C7038	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7039,40	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C7041	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C7042	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C7043	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C7044,45	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C7046	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C7047	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C7048	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C7049	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7051	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7052,53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C7101	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7102	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7103	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7104-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C7108,09	ECEV1HV010Q	E.CAPACITOR CH 50V 1U	2	
C7110-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C7114	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C7115	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C7117	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7118	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C7119	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C7121	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7122	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C7123	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C7124	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C7125	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C7126,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C7128	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C7129	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7130	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7131	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C7132	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C7133	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7134	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7135	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C7136	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7137-39	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C7140	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C7141	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C7142-47	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C7148,49	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C7150	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C7151	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C7152	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C7153	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C7154	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C7155	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C7157	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C7159	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C7160	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C7161	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C7162,63	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C7164	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C7165	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7166	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C7167	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C7168,69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C7171	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C7172,73	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C7174	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C7175	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C7176	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C7178,79	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C7180	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C7181	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C7301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7302	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C7303-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C7308	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C7309	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C7310	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7311	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C7312	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C7313	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7314	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C7315	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7316	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C7317	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7318	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C7319	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C7320	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7321	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C7322	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7323	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C7324	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C7325	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C7326-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C7330	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C7331,32	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C7334	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7336	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7337	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C7339-41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C7342,43	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C7344	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7345,46	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C7347	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C7401	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7402	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C7403	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7404	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C7405	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C7406-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C7410	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7411	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C7412	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7413	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C7414	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C7415	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C7416-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
D3201	MA142WK	DIODE	1	
D3401	MA142K	DIODE	1	
D3701-04	MA142K	DIODE	4	
D7001	MA142WK	DIODE	1	
D7102	MA142WK	DIODE	1	
D7301	MA142WK	DIODE	1	
D7302,03	MA335-R	DIODE	2	
FL3001,02	VLF0941C223	FILTER	2	
FL3101	VLF1015	FILTER	1	
FL3201	VLF1179	FILTER	1	
FL3301,02	VLF1476	FILTER	2	
FL3401,02	VLF0941C223	FILTER	2	
FL7001	VLF1354	FILTER	1	
FL7101,02	VLF1476	FILTER	2	
FL7103,04	VLF1479	FILTER	2	
IC3101	TC7W04FU	IC	1	
IC3102	CXD2024AQ	IC	1	
IC3103	AD817AR	IC	1	
IC3104	AN77L05M	IC	1	
IC3105	CXD1176Q	IC	1	
IC3106,07	AN77L05M	IC	2	
IC3108	XC62DN5002P	IC	1	
IC3109	TC7W125FU	IC	1	
IC3110	TC7S04FU	IC	1	
IC3201	NJM78L09UA	IC	1	
IC3202	MC14053BDT	IC	1	
IC3203	AN91A12S	IC	1	
IC3301	NJM78L09UA	IC	1	
IC3302,03	NJM1496V	IC	2	
IC3304,05	NJM2534V	IC	2	
IC3401	MM74HC221AM	IC	1	
IC3402	TC7W04FU	IC	1	
IC3403	DM74LS221SJ	IC	1	
IC3404	TC7W74FU	IC	1	
IC3405	UPD65013BC16	IC	1	
IC3406	TC7S00FU	IC	1	
IC3407	NJM319V	IC	1	
IC3408	TC7W04FU	IC	1	
IC3409	NJM082BV	IC	1	
IC3410	MC14053BDT	IC	1	
IC3411	NJM064V	IC	1	
IC3412	XC62AP5002P	IC	1	
IC3501	MN53015VZW	IC	1	
IC3502	TC7S08FU	IC	1	
IC3601	LT1228CS8	IC	1	
IC3602	AN77L05M	IC	1	
IC3603	CXD1176Q	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3604	TVHC541FT	IC	1	
IC3701,02	LT1228CS8	IC	2	
IC3703,04	AN77L05M	IC	2	
IC3705,06	MB40568PF	IC	2	
IC3707,08	TVHC541FT	IC	2	
IC3801	TC7S32FU	IC	1	
IC3802	TVHT244FT	IC	1	
IC3803	XC62AP3002P	IC	1	
IC3804	M62370GP	IC	1	
IC7001	XC62AP5002P	IC	1	
IC7002	TC7S08FU	IC	1	
IC7003	NJM78L09UA	IC	1	
IC7004	XC62DN5002P	IC	1	
IC7005,06	LT1228CS8	IC	2	
IC7007	NJM2534V	IC	1	
IC7101	TA75W558FU	IC	1	
IC7102	BA7655AF	IC	1	
IC7103	XC62AP5002P	IC	1	
IC7104	AD826AR	IC	1	
IC7105	M51272FP	IC	1	
IC7106	AD817AR	IC	1	
IC7301	TC7S08FU	IC	1	
IC7302	TA75W558FU	IC	1	
IC7303	MM74HC221AM	IC	1	
IC7304	TC7S32FU	IC	1	
IC7305	MC14053BDT	IC	1	
IC7401	TA75W558FU	IC	1	
IC7402	MC14053BDT	IC	1	
IC7403	UPD6456T611Y	IC	1	
IC7404	NJM2534V	IC	1	
L3101	VL00319K101	COIL 100UH	1	
L3103	VL00319K101	COIL 100UH	1	
L3105	VL00319K470	COIL 47UH	1	
L3106,07	VL00319K101	COIL 100UH	2	
L3108	VL00426J180	COIL 18UH	1	
L3109	VL00426J220	COIL 22UH	1	
L3110	VL00426J180	COIL 18UH	1	
L3111	VL00426J220	COIL 22UH	1	
L3113	VL00426J5R6	COIL 5.6UH	1	
L3201	VL00133J471	COIL 470UH	1	
L3301,02	VL00319K101	COIL 100UH	2	
L3401-03	VL00319K101	COIL 100UH	3	
L3404	VL00426J470	COIL 47UH	1	
L3405	VL00319K101	COIL 100UH	1	
L3602	VL00319K101	COIL 100UH	1	
L3703	VL00319K101	COIL 100UH	1	
L7001,02	VL00319K101	COIL 100UH	2	
L7006	VL00426J470	COIL 47UH	1	
L7007	VL00426J680	COIL 68UH	1	
L7008	VL00163J151	COIL 150UH	1	
L7101,02	VL00319K101	COIL 100UH	2	
L7103	VL00426J470	COIL 47UH	1	
L7104	VL00426J150	COIL 15UH	1	
L7105	VL00426J5R6	COIL 5.6UH	1	
L7106,07	VL00426J6R8	COIL 6.8UH	2	
L7108	VL00426J5R6	COIL 5.6UH	1	
L7109	VL00426J6R8	COIL 6.8UH	1	
L7301,02	VL00319K101	COIL 100UH	2	
L7303	VL00163J181	COIL 180UH	1	
L7304	VL00426J470	COIL 47UH	1	
L7305	VL00426J560	COIL 56UH	1	
L7306,07	VL00426J470	COIL 47UH	2	
L7401	VL00426J270	COIL 27UH	1	
L7402	VL00426J680	COIL 68UH	1	
P3001	VJP40640160	CONNECTOR (MALE)	1	
Q3101	XN4601	TRANSISTOR-RESISTOR	1	
Q3102	2SC3930-B	TRANSISTOR	1	
Q3103,04	2SD1819A-R	TRANSISTOR	2	
Q3105,06	2SB1218A-R	TRANSISTOR	2	
Q3107	2SD1819A-R	TRANSISTOR	1	
Q3108	2SB1218A-R	TRANSISTOR	1	
Q3201	2SD1819A-R	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q3202	2SA1532-B	TRANSISTOR	1	
Q3203,04	2SD1819A-R	TRANSISTOR	2	
Q3301,02	2SD1819A-R	TRANSISTOR	2	
Q3303,04	2SB1218A-R	TRANSISTOR	2	
Q3305,06	2SD1819A-R	TRANSISTOR	2	
Q3307,08	2SA1532-B	TRANSISTOR	2	
Q3309,10	2SD1819A-R	TRANSISTOR	2	
Q3401	2SC3931-C	TRANSISTOR	1	
Q3402,03	2SD1819A-R	TRANSISTOR	2	
Q3601	2SA1532-B	TRANSISTOR	1	
Q3701	2SA1532-B	TRANSISTOR	1	
Q3702	2SD1819A-R	TRANSISTOR	1	
Q7001	2SD1819A-R	TRANSISTOR	1	
Q7002	2SA1532-B	TRANSISTOR	1	
Q7003	2SD1819A-R	TRANSISTOR	1	
Q7004	2SA1532-B	TRANSISTOR	1	
Q7005	2SB1218A-R	TRANSISTOR	1	
Q7006	2SC3930-B	TRANSISTOR	1	
Q7007	2SB1218A-R	TRANSISTOR	1	
Q7008	2SA1532-B	TRANSISTOR	1	
Q7009	2SB1218A-R	TRANSISTOR	1	
Q7010	2SD1819A-R	TRANSISTOR	1	
Q7011	2SA1532-B	TRANSISTOR	1	
Q7012,13	2SD1819A-R	TRANSISTOR	2	
Q7014-16	2SA1532-B	TRANSISTOR	3	
Q7017	2SD1819A-R	TRANSISTOR	1	
Q7101,02	2SD1819A-R	TRANSISTOR	2	
Q7103,04	2SA1532-B	TRANSISTOR	2	
Q7105,06	2SD1819A-R	TRANSISTOR	2	
Q7107-09	2SA1532-B	TRANSISTOR	3	
Q7110	2SD1819A-R	TRANSISTOR	1	
Q7111	2SA1532-B	TRANSISTOR	1	
Q7112	2SB1218A-R	TRANSISTOR	1	
Q7113	2SD1819A-R	TRANSISTOR	1	
Q7115	2SC3930-B	TRANSISTOR	1	
Q7116	2SB1218A-R	TRANSISTOR	1	
Q7118	2SC3930-B	TRANSISTOR	1	
Q7119	2SD1819A-R	TRANSISTOR	1	
Q7120	2SB1218A-R	TRANSISTOR	1	
Q7121	2SD1819A-R	TRANSISTOR	1	
Q7122	2SB1218A-R	TRANSISTOR	1	
Q7301	2SC3930-B	TRANSISTOR	1	
Q7302	2SB1218A-R	TRANSISTOR	1	
Q7303	2SC3930-B	TRANSISTOR	1	
Q7304	2SB1218A-R	TRANSISTOR	1	
Q7305	2SD1819A-R	TRANSISTOR	1	
Q7306	2SB1218A-R	TRANSISTOR	1	
Q7307	2SC3930-B	TRANSISTOR	1	
Q7308,09	2SB1218A-R	TRANSISTOR	2	
Q7310	XN6534	TRANSISTOR-RESISTOR	1	
Q7311	2SD1819A-R	TRANSISTOR	1	
Q7312,13	2SC3930-B	TRANSISTOR	2	
Q7314	2SB1218A-R	TRANSISTOR	1	
Q7315	2SD1819A-R	TRANSISTOR	1	
Q7401,02	2SB1218A-R	TRANSISTOR	2	
Q7403	2SD1819A-R	TRANSISTOR	1	
Q7404	2SB1218A-R	TRANSISTOR	1	
Q7405,06	2SA1532-B	TRANSISTOR	2	
Q7407	2SD1819A-R	TRANSISTOR	1	
R3101	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3102	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3103	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R3104	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3105	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3108	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3109	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3110,11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3113	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3115	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3116	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3117	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3118	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3120	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3121-23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3124	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3126	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3127	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R3128	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3129	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3130	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3131	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3132	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3133	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3134	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3135	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3136	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3140	VRE006610102	M.RESISTOR CH 1/10W 1K	1	
R3141	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3142	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3143	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3144	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1	
R3145	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3146	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3147	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1	
R3148	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R3151	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3152	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3153	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3154	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3155	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3156	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3157	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3158	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3159	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3160,61	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3162	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R3163	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3164-66	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	3	
R3167	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3168	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3169	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3170	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3171	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3172	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3173,74	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3175	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3176	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3177	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3187	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3191	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3201	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3203	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3207	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3208	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3209	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3210	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3211	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3212	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3213	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3214	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3215	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3216	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3217-19	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R3220	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3221	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3222	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3223	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3224	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3225	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3301	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3302,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3304	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3305-07	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	3	
R3308	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R3309	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3310	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3311	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3312	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3313	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3314	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3315,16	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R3317	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3318,19	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R3320	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3321	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3322	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3324	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3325	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3326	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3328	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3329	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3330	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3331	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3332	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3333	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R3334	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3335	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3336	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3337	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3338-41	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	4	
R3342,43	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3344	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3345,46	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3347	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R3348	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3349	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3350	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3351	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3356,57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3401,02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3403	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3404	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3406	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3408	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3409	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3410,11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3412	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3414	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3415	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3416	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3417	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3418	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3419	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3420	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3421	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3422	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3423	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3424	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3425	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3426	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3427	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3429	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3430	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3431	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3432	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3433,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3439	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3440,41	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3442,43	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3444	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R3445	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3446	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3448	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3450	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3452	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3453	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3454,55	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3456-58	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R3460	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3461	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3462	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3463	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3464	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3465	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3466	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3501,02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3503	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3504,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3506	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3508	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3509,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3512	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3601	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3603,04	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R3605	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R3606	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3608	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3611	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3612	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3613	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3614	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3616	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R3617	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3620,21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3622-29	ERJ3RBD101	M.RESISTOR CH 1/16W 100	8	
R3701	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3703,04	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R3705,06	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R3711	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3714,15	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R3716,17	ERJ3RBD221	M.RESISTOR CH 1/16W 220	2	
R3718,19	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3722,23	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R3724,25	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	2	
R3726,27	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R3728,29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3730,31	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3732	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3733	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3734-49	ERJ3RBD101	M.RESISTOR CH 1/16W 100	16	
R3803-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R3807-09	ERJ3RBD101	M.RESISTOR CH 1/16W 100	3	
R3810	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3811-14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R3815-18	ERJ3RBD101	M.RESISTOR CH 1/16W 100	4	
R3819	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3820	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7002	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R7006	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7007	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R7008	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7009	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7010	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R7011	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7012	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7013	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7014	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7016	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7017	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R7018	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7019	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7020,21	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R7023	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R7026	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R7027	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R7028	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R7029	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7030	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7031	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R7032	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7033	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R7034	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R7035	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7036	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R7037	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R7038	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R7039	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7040	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R7041	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R7042	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7043,44	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R7045	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R7047	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R7048	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7049	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7050	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R7051	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R7052	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7053,54	ERJ3RBD331	M.RESISTOR CH 1/16W 330	2	
R7055	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7056	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7058,59	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R7060	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7061	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R7062	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7063	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R7064	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7065	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R7066	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R7067	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7068	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7069	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7070,71	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R7072	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R7073	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7074	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R7075	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7076,77	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R7078	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R7079	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R7080	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7081	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R7082	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R7083	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7084	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7085	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R7086-89	ERJ3RBD101	M.RESISTOR CH 1/16W 100	4	
R7101	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R7102	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R7104	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R7105	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R7106	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7108	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R7109	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R7110	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7111	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R7112	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R7113	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7114,15	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R7116	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R7117	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R7118	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R7119	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R7121	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7122	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7123	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R7124	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7125	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R7127	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7128	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7129	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R7130	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7131	VRE006622102	V.RESISTOR CH 1/10W 1K	1	
R7133	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7134	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7135	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7136	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R7137	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7138	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7139	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7140	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7141	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7142	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7143	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7144	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R7145	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7146	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7147	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7148	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7149	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R7150	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R7151	VRE006622102	V.RESISTOR CH 1/10W 1K	1	
R7153	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R7154	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R7156, 57	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R7158	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R7159	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7160	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R7161	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7162	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7163	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7164	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7165	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R7166	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R7167	VRE006607103	M.RESISTOR CH 1/10W 10K	1	
R7169	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7170	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R7171	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7172	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7173	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R7176	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R7177	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R7178	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R7179	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7181	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7182	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R7183	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7184	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7185	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7186	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7187	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R7188	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7189	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7190	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7195	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R7196	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R7197	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7198	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7199	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7200	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R7202	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7209	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R7210, 11	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R7213	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R7214	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R7215	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7216	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7217	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7218	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7219	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7220	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7222	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R7224	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7225	VRE006610102	M.RESISTOR CH 1/10W 1K	1	
R7226	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7227	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R7228	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7229	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7230	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7231	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R7232	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7233	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R7236	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7237	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R7238	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7239	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R7301-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R7304	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R7305	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7306	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R7307	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R7308, 09	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7310	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7311	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R7313	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7314	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7315	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R7316	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R7317	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7318	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R7319, 20	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R7321	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R7322	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R7323	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7324	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7325	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7326	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7327	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R7328	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7329	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7330	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R7331	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7332, 33	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	2	
R7334	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7335	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R7336	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R7337	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7338	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R7339	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7340	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R7341, 42	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R7343, 44	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R7345	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R7346	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R7347	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7348	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7349	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7350	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7352	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7353, 54	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R7355	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7356, 57	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R7358, 59	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	2	
R7360	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R7361	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R7362	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R7363	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7364	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R7365	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7366	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R7367	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7368	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7369	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7370	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R7371	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7372	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R7373, 74	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7376	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R7378	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R7401	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R7402, 03	ERJ3RBD331	M.RESISTOR CH 1/16W 330	2	
R7404	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7405-08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R7409	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7410, 11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R7412	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R7413	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7414	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R7415	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7416	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R7417	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7418	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R7419, 20	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7421	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R7422	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7423	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7424	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R7425	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7426	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R7427	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R7428	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7429	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7430	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R7431	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R7432	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R7433	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7434	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R7435	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R7436	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7437	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R7438	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R7439	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
TG3101	EYF6CU	TEST POINT	1	
TG3301	EYF6CU	TEST POINT	1	
TG3402	EYF6CU	TEST POINT	1	
TG7001	EYF6CU	TEST POINT	1	
TG7101	EYF6CU	TEST POINT	1	
TG7301	EYF6CU	TEST POINT	1	
TH7301	ERTD2FHL102S	THERMISTOR 1K	1	
TP3201	EYF6CU	TEST POINT	1	
TP3401	EYF6CU	TEST POINT	1	
TP3403-07	EYF6CU	TEST POINT	5	
TP3501	EYF6CU	TEST POINT	1	
TP3601	EYF6CU	TEST POINT	1	
TP3701,02	EYF6CU	TEST POINT	2	
TP7001	EYF6CU	TEST POINT	1	
TP7101-03	EYF6CU	TEST POINT	3	
TP7401-03	EYF6CU	TEST POINT	3	
VC7301	VCV0050	TRIMMER	1	
VC7401	VCV0050	TRIMMER	1	
VR3102	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3103	EVM7JGA00B52	V.RESISTOR 500	1	
VR3301,02	EVM7JGA00B23	V.RESISTOR 2K	2	
VR3303,04	EVM7JGA00B13	V.RESISTOR 1K	2	
VR3401	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3402	EVM7JGA00B13	V.RESISTOR 1K	1	
VR3403	EVM7JGA00B53	V.RESISTOR 5K	1	
VR3601	EVM7JGA00B22	V.RESISTOR 200	1	
VR3602	EVM7JGA00B53	V.RESISTOR 5K	1	
VR3701,02	EVM7JGA00B22	V.RESISTOR 200	2	
VR3703,04	EVM7JGA00B53	V.RESISTOR 5K	2	
VR7001	EVM7JGA00B52	V.RESISTOR 500	1	
VR7002,03	EVM7JGA00B13	V.RESISTOR 1K	2	
VR7004	EVM7JGA00B15	V.RESISTOR 100K	1	
VR7005	EVM7JGA00B13	V.RESISTOR 1K	1	
VR7103,04	EVM7JGA00B23	V.RESISTOR 2K	2	
VR7105	VRV0161B102	V.RESISTOR 1K	1	
VR7106	VRV0161B202	V.RESISTOR 2K	1	
VR7107	EVM7JGA00B13	V.RESISTOR 1K	1	
VR7108,09	EVM7JGA00B53	V.RESISTOR 5K	2	
VR7110	EVM7JGA00B13	V.RESISTOR 1K	1	
VR7112-14	EVM7JGA00B52	V.RESISTOR 500	3	
VR7301	EVM7JGA00B52	V.RESISTOR 500	1	
VR7302	EVM7JGA00B24	V.RESISTOR 20K	1	
VR7401	EVM7JGA00B52	V.RESISTOR 500	1	
VR7402	EVM7JGA00B14	V.RESISTOR 10K	1	
X3401	VSX0270	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	XYN2+J6	SCREW	2	
	VKC0572	P.C.BOARD CATCHER (L)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XYN3+K8	SCREW	2	
	XNG3ES	NUT	2	
■ E3	VEP83427B	REC PB P.C.BOARD	1	(RTL)
■	VEP88234Q	DV UCOM P.C.BOARD	1	(RTL)FOR VEP83427B
C1-C4	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	FOR VEP88234Q
C3001,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3003	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3004-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3009-12	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	4	
C3013-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3018-21	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	4	
C3022	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C3023	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3024	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3101-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3104	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3105-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3112	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3113	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3114	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3115	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3116	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3117-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3120	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3121	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C3122-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3201-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3204	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3205	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3206	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3207	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3208-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3351-58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3401-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C3451-56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3521-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3561-65	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3566	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3567-78	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C3579	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3580	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3581	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3582	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3583-86	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3587	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3588	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3589	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C3590	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3591	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3592	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3701	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3702	ECST1AX106Z	T.CAPACITOR CH 10V 10U	1	
C3703	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3771-75	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3801-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C3851-60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
D3003	MA701A	DIODE	1	
D3004-06	MA736	DIODE	3	
D3007	MA701A	DIODE	1	
D3008	MA736	DIODE	1	
D3101,02	MA152K	DIODE	2	
D3561-63	MA729	DIODE	3	
FL3001-04	VLF1016A223	FILTER	4	
IC1	M31020EAVP	IC	1	FOR VEP88234Q

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3001	XC62FP5002P	IC	1	
IC3002	XC62FP2302P	IC	1	
IC3101	TVHC157FT	IC	1	
IC3102	DM74LS123SJ	IC	1	
IC3103	MC74HC125AF	IC	1	
IC3104	PZ5128S10BP	IC	1	
IC3105	NJM082BV	IC	1	
IC3106	74F244SJ	IC	1	
IC3107,08	TVHC244FT	IC	2	
IC3109	74F163ASJ	IC	1	
IC3110-12	TVHC244FT	IC	3	
IC3201	TC7SH04FU	IC	1	
IC3202	TC7SH32FU	IC	1	
IC3203-06	TVHC574FT	IC	4	
IC3207	L7A1592	IC	1	
IC3351,52	MN4707F	IC	2	
IC3401	TVHC244FT	IC	1	
IC3402,03	MN67373	IC	2	
IC3404	TVHC157FT	IC	1	
IC3451	TC7W125FU	IC	1	
IC3452	MB81V4260S7	IC	1	
IC3453	L7A1637	IC	1	BLANK ROM
IC3521	TVHC367FT	IC	1	
IC3522	TC7W125FU	IC	1	
IC3523	TVHC257FT	IC	1	
IC3524	TLCX125FT	IC	1	
IC3561	TC7SH04FU	IC	1	
IC3562	TVHC74FT	IC	1	
IC3563	MC10H124M	IC	1	
IC3564,65	TVHC74FT	IC	2	
IC3566	TVHC157FT	IC	1	
IC3567	TVHC153FT	IC	1	
IC3568,69	TVHC244FT	IC	2	
IC3570	MC10H125M	IC	1	
IC3571	XC62FP3302P	IC	1	
IC3572,73	TLCX244FT	IC	2	
IC3574	MN47V76SP	IC	1	
IC3575	L7A1637	IC	1	
IC3576	MN47V76SP	IC	1	
IC3577	TVHC244FT	IC	1	
IC3771-75	TVHC244FT	IC	5	
IC3801	MB81V4260S7	IC	1	
IC3802	M65501FP	IC	1	
IC3803	TLCX125FT	IC	1	
IC3851	MB81V4260S7	IC	1	
IC3852	M65501FP	IC	1	
ID3104	VVVSI2951A	IC	1	SOFTWARE
L3001,02	VLP0133	COIL	2	
L3101-03	VLQ0319K470	COIL 47UH	3	
P1	VJP4106A120L	CONNECTOR	1	FOR VEP88234Q
P3001	VJP4064Q160	CONNECTOR (MALE)	1	
P3002	VJP3125B007	CONNECTOR (MALE)	1	
P3003	VJS4168B008	CONNECTOR (FEMALE)	1	
P3701	VJP3125B002	CONNECTOR (MALE)	1	
P3702	VJS4106A120L	CONNECTOR	1	
R3005-07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3008-11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3012	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3101,02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3103	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3104	ERJ6RED394	M.RESISTOR CH 1/10W 390K	1	
R3106	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3107	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3108	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3109,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3111	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3113	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3114	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3115,16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3118	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3119	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3120	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3121-23	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R3124	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3125-27	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R3128-56	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	29	
R3201-10	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	10	
R3211	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3212	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3213,14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3216,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3218,19	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3220	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3221-26	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R3351,52	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3401	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3402,03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3405,06	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3407	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3408	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3409-12	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3451-53	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R3521	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3522	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3561-66	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R3567-72	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	6	
R3573,74	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3575-78	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3579	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3580,81	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3586,87	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3588,89	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3591,92	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3593-97	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R3598	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3599	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3600,01	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3602	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3603	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3604	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3607	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3608-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3612	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3613	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3614,15	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3616	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3617-21	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R3622,23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3624	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3626	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3629	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3701	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3702	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3704-08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3710	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3712	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3713	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3714,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3716-18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3723-25	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R3726	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3727-32	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R3733,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3735	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3736-38	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R3739	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3771-73	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R3774-85	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	12	
R3786,87	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3788	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3791	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3801-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3805	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3806	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3807	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3808	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3809,10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3811	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3812	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3813-16	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3817,18	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3819	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3821-28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	8	
R3829-32	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3851-54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3855	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3856	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3857	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3858	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3859,60	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3861	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3862	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3863-66	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3867	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3868,69	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3872-79	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	8	
R3880-83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
TG3101	EYF6CU	TEST POINT	1	
TG3401	EYF6CU	TEST POINT	1	
TG3451	EYF6CU	TEST POINT	1	
TG3561	EYF6CU	TEST POINT	1	
TG3701	EYF6CU	TEST POINT	1	
TP3001-03	EYF6CU	TEST POINT	3	
TP3101-04	EYF6CU	TEST POINT	4	
TP3201	EYF6CU	TEST POINT	1	
TP3401-10	EYF6CU	TEST POINT	10	
TP3561	EYF6CU	TEST POINT	1	
TP3701-10	EYF6CU	TEST POINT	10	
TP3771,72	EYF6CU	TEST POINT	2	
X3101	VSX0906	CRYSTAL OSCILLATOR	1	
X3561	VSX0970	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	XYN2+J6	SCREW	2	
	VMS6279	SPACER	2	
	XYN26+K5	SCREW	2	
	VHD1251	SCREW	2	
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XYN3+K8	SCREW	2	
	XNG3ES	NUT	2	
■ E4	VEP84319B	AUDIO P.C.BOARD	1	(RTL)
C40001,02	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C40003,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C40005	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C40006-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C40011	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C40012-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C40101,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C40103	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C40104	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40105	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C40106	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40107-10	ECEV1EV330Q	E.CAPACITOR CH 25V 33U	4	
C40111	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40112,13	ECHU1C472JB	P.CAPACITOR 16V 4700P	2	
C40114,15	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C40116,17	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	2	
C40118,19	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
C40120,21	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C40122,23	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	2	
C40124	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C40125,26	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C40127,28	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C40129	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C40130,31	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	2	
C40132,33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C40134,35	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	2	
C40136	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40137	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C40138	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40139	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C40140	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C40141,42	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C40143,44	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C40145	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C40146-53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C40154,55	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	2	
C40156	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C40157-61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C40162,63	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	
C40164	ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C40165	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C40167-73	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C40174,75	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	
C40176	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40177	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C40178-84	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C40201	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40204	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40205	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C40206,07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C40208	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C40214-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C40217	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C40218	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40220	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C40221	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C40222,23	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	2	
C40224,25	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C40226-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C40230,31	ECHU1C472JB	P.CAPACITOR 16V 4700P	2	
C40232,33	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	2	
C40301	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C40302-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C40308,09	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	
C40310-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C40314,15	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C40316-23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C40324,25	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	
C40326,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C40328-37	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C40402	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C40403	ECST1CD476Z	T.CAPACITOR CH 16V 47U	1	
C40404	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40405	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C40406	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C40407	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C40408	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C40409	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C40410	ECEV0JN470Q	E.CAPACITOR CH6.3V 47U	1	
C40411	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C40412	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C40413,14	ECHS1682JZ	P.CAPACITOR 100V 6800P	2	
C40415	ECST1CD476Z	T.CAPACITOR CH 16V 47U	1	
C40416	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C40417	ECHU1C822JB	P.CAPACITOR 16V 8200P	1	
C40418	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C40419	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C40420	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40421	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C40422	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40423	ECEV0JN100Q	E.CAPACITOR CH6.3V 10U	1	
C40424	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C40425	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C40426,27	ECHS1682JZ	P.CAPACITOR 100V 6800P	2	
C40428	VCC0030	C.CAPACITOR	1	
C40429	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C40501	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C40502,03	ECHU1C822JB	P.CAPACITOR 16V 8200P	2	
C40504,05	ECHU1C103JB5	P.CAPACITOR 16V 0.01U	2	
C40506,07	ECHU1H182JB	P.CAPACITOR 50V 1800P	2	
C40508,09	ECHU1C103JB5	P.CAPACITOR 16V 0.01U	2	
C40510-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C40514	ECUM1C394KBM	C.CAPACITOR CH 16V 0.39U	1	
C40515	ECUM1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C40516	ECUM1C394KBM	C.CAPACITOR CH 16V 0.39U	1	
C40517	ECHU1H102JB	P.CAPACITOR 50V 1000P	1	
C40518	ECUM1C394KBM	C.CAPACITOR CH 16V 0.39U	1	
C40519-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C40523-25	ECHU1C104J	P.CAPACITOR 16V 0.1U	3	
C40526,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C40528	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C40530	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C40532,33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C40534	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C40535	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C40536	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C40537	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40538	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C40539,40	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	2	
C40541	ECST1VY104Z	T.CAPACITOR CH 35V 0.1U	1	
C40542	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C40543,44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C40546	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C40547	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C40548,49	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C40550	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C40551	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C40552	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C40601	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C40602,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C40604	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C40605,06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C40607	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C40608	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40609,10	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	2	
C40611	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40612	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C40613	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C40614-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C40619	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C40620,21	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	2	
C40622,23	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	2	
C40624	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C40625-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C40628	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C40629	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C40630-32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C40634	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C40635	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40636	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C40701-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C40705	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C40706	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40707	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C40708	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C40709	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40801,02	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	2	
C40803	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C40804,05	ECEV1HV010Q	E.CAPACITOR CH 50V 1U	2	
C40806	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C40807-09	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	3	
C40810,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C40812,13	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	
D40001-04	MA128	DIODE	4	
D40005	MA142WK	DIODE	1	
D40101,02	MA142WK	DIODE	2	
D40103,04	MA142WA	DIODE	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D40301	MA147	DIODE	1	
D40302,03	MA142WK	DIODE	2	
D40401,02	MA142K	DIODE	2	
D40601	MA157	DIODE	1	
D40602	MA142WK	DIODE	1	
FL40001,0	VLF0941C223	FILTER	2	
FL40401	EIR7QF012B	TRANSFORMER	1	
FL40501	VLF1069	FILTER	1	
FL40701	VLF0941C223	FILTER	1	
IC40001	LVX32450SC	IC	1	
IC40002,0	TVHT541FT	IC	2	
IC40004	TVHC139FT	IC	1	
IC40005	TC7SH04FU	IC	1	
IC40006-0	UPD71055GB	IC	4	
IC40101	UPC5204GC041	IC	1	
IC40102	TA75W558FU	IC	1	
IC40103	AD7945BR	IC	1	
IC40104	TA75W558FU	IC	1	
IC40105	AD7945BR	IC	1	
IC40106	AK5340VS	IC	1	
IC40107	TVHC541FT	IC	1	
IC40108	XC62AP5002M	IC	1	
IC40109,1	NJM78L09UA	IC	2	
IC40111	AN78L07M	IC	1	
IC40112	NJM79L09UA	IC	1	
IC40113	AN79L07M	IC	1	
IC40114,1	TA75W558FU	IC	2	
IC40116	MC14053BDT	IC	1	
IC40201	XC62AP5002M	IC	1	
IC40202	AK4320VM	IC	1	
IC40203	TVHC541FT	IC	1	
IC40204,0	TA75W558FU	IC	2	
IC40301	TA75W558FU	IC	1	
IC40302	MC14053BDT	IC	1	
IC40303	UPD4052BG	IC	1	
IC40304,0	TA75W558FU	IC	2	
IC40306	MC14053BDT	IC	1	
IC40307	UPD4052BG	IC	1	
IC40308-1	TA75W558FU	IC	4	
IC40312-1	UPD4052BG	IC	4	
IC40316	TA75W558FU	IC	1	
IC40317	NJM79L09UA	IC	1	
IC40318	NJM78L09UA	IC	1	
IC40319	XC62AP5002M	IC	1	
IC40320	XC62DN5002M	IC	1	
IC40401	TA75W558FU	IC	1	
IC40501,0	TA75W558FU	IC	2	
IC40503	MC14053BDT	IC	1	
IC40504-0	TA75W558FU	IC	3	
IC40507	MC14053BDT	IC	1	
IC40508	CXA1552M	IC	1	
IC40509	MC14052BF	IC	1	
IC40510	TA75W558FU	IC	1	
IC40601	TA75W558FU	IC	1	
IC40602	TVHC244FT	IC	1	
IC40603	AK4503VF	IC	1	
IC40604	TVHC244FT	IC	1	
IC40605	TA75W558FU	IC	1	
IC40606	XC62AP3002P	IC	1	
IC40607	NJM78L05UA	IC	1	
IC40608	NJM79L05UA	IC	1	
IC40701	MB621926	IC	1	
IC40702	MB81480070	IC	1	
IC40703	MC74HC74AF	IC	1	
IC40704	TC4W53FU	IC	1	
IC40705	TVHC541FT	IC	1	
IC40706,0	TVHC164FT	IC	2	
IC40708	TC7SH04FU	IC	1	
IC40709	TC7W74FU	IC	1	
IC40801	M51132L	IC	1	
IC40802	NJM4556AM	IC	1	
L40101	VLQ0163J100	COIL 10UH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L40203	VLQ0163J100	COIL 10UH	1	
L40401	VLQ0423J472	COIL 4700UH	1	
L40402	VLQ0651K391	COIL 390UH	1	
P40901	VJP40640160	CONNECTOR (MALE)	1	
P40902	VJP3125B009	CONNECTOR (MALE)	1	
Q40101,02	2SD1979	TRANSISTOR	2	
Q40201,02	2SD1979	TRANSISTOR	2	
Q40301-04	2SB1219A-R	TRANSISTOR	4	
Q40401	2SB779-R	TRANSISTOR	1	
Q40402	2SD1819A-R	TRANSISTOR	1	
Q40403,04	2SD1979	TRANSISTOR	2	
Q40405	2SD874-R	TRANSISTOR	1	
Q40406	2SD1979	TRANSISTOR	1	
Q40407	2SB779-R	TRANSISTOR	1	
Q40408	2SD1819A-R	TRANSISTOR	1	
Q40409	2SD874-R	TRANSISTOR	1	
Q40410	2SB1220-R	TRANSISTOR	1	
Q40411,12	2SD1821-R	TRANSISTOR	2	
Q40601	2SB1219A-R	TRANSISTOR	1	
Q40602	2SD1979	TRANSISTOR	1	
Q40801,02	2SD1979	TRANSISTOR	2	
QR40001-04	UN5213	TRANSISTOR-RESISTOR	4	
QR40101	UN5213	TRANSISTOR-RESISTOR	1	
QR40102	UN5113	TRANSISTOR-RESISTOR	1	
QR40103	UN5213	TRANSISTOR-RESISTOR	1	
QR40104	UN5113	TRANSISTOR-RESISTOR	1	
QR40201-03	UN5213	TRANSISTOR-RESISTOR	3	
QR40204,05	UN5113	TRANSISTOR-RESISTOR	2	
QR40301,02	UN5213	TRANSISTOR-RESISTOR	2	
QR40401	UN5113	TRANSISTOR-RESISTOR	1	
QR40402	UN5213	TRANSISTOR-RESISTOR	1	
QR40403,04	UN5113	TRANSISTOR-RESISTOR	2	
QR40405	UN5213	TRANSISTOR-RESISTOR	1	
QR40503	UN5113	TRANSISTOR-RESISTOR	1	
QR40504,05	UN5213	TRANSISTOR-RESISTOR	2	
QR40506	UN5113	TRANSISTOR-RESISTOR	1	
QR40507	UN5213	TRANSISTOR-RESISTOR	1	
QR40601	UN5213	TRANSISTOR-RESISTOR	1	
R40001-04	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R40005,06	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R40008-15	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	8	
R40016	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R40101	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R40102,03	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R40104	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R40105	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R40106	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R40107	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R40108	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R40109	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R40110	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R40111,12	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R40113,14	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R40115	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R40116	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R40117,18	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R40119	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R40120	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R40121,22	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	2	
R40123	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R40124-27	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R40128	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R40129-32	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R40133	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R40134	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R40135	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R40136	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R40137,38	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R40139,40	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	2	
R40141-44	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R40145,46	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R40147,48	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R40149,50	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R40151	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40153	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40155-58	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R40160	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40162,63	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R40164,65	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	2	
R40166,67	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R40168,69	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R40201-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R40205-08	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R40209	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40211	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R40213	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R40215,16	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R40217,18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R40219-22	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R40223,24	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R40225,26	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R40227,28	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R40229,30	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R40231,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R40233	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R40234	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R40235	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R40236	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R40237	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R40238	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R40239,40	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R40241,42	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R40243,44	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R40245,46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R40247-50	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	4	
R40301	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40302	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R40303,04	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R40305	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R40306	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R40308	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R40309	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R40310	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R40311	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R40312	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R40313	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40315	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40316	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R40317	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R40318-20	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R40321	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R40322	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R40323	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R40324	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R40325	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R40326	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R40327	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R40328	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R40329	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R40330	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R40331	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R40332	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R40333,34	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R40341-46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R40347,48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R40350	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40353-55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R40357	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40360	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R40361,62	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	2	
R40363	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R40364,65	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	2	
R40402	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40403	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R40404	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R40405	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R40406	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R40407	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R40408	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R40409	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R40410	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R40411	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R40412	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R40413	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R40414	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R40415	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R40416	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R40417	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R40418	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R40419,20	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R40421	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R40422	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R40423	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40424	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R40427	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R40428	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R40429	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R40430	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R40431	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R40432	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R40433	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R40434	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R40435	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R40436	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R40437	ERJ6GEYJ201	M.RESISTOR CH 1/10W 200	1	
R40438	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R40440	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40442	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R40501	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R40502	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R40503	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R40504	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R40505	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R40506	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R40507	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40508	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R40509	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R40510	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R40511	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R40513	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40515	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40516	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R40517	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R40519	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40520	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R40521	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R40522	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R40523,24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R40525	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R40526	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R40527	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R40528	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R40530	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R40531	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R40532	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R40534	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R40535	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40536	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R40537	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R40540	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R40541,42	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R40544,45	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R40547	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R40548	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40549	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R40550	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R40551	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40552	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R40553	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R40554	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R40555-57	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R40601,02	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	2	
R40603	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R40604	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40605,06	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R40607,08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R40609	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R40611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R40612	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40613,14	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R40615-17	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	3	
R40618	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R40619	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R40620	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R40621	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R40622	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R40624	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R40625	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40627	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40629	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R40630	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R40631	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40633	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R40702	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40706-09	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	4	
R40711	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40713	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40801,02	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R40803,04	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R40805,06	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R40807,08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R40809,10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R40811,12	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	2	
R40813,14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R40815	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R40816	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R40901	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R40902	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
SW40101,02	VSS0126	SWITCH	2	
T40401,02	VLT0729	TRANSFORMER	2	
TP40101-0	EYF6CU	TEST POINT	6	
TP40201-0	EYF6CU	TEST POINT	5	
TP40301-0	EYF6CU	TEST POINT	7	
TP40401-0	EYF6CU	TEST POINT	3	
TP40501,02	EYF6CU	TEST POINT	2	
TP40601-0	EYF6CU	TEST POINT	3	
VR40101,02	VRV0161B103	V.RESISTOR 10K	2	
VR40201,02	VRV0161B103	V.RESISTOR 10K	2	
VR40401	VRV0161B103	V.RESISTOR 10K	1	
VR40402	VRV0161B503	V.RESISTOR 50K	1	
VR40501,02	VRV0161B103	V.RESISTOR 10K	2	
VR40503,04	VRV0161B502	V.RESISTOR 5K	2	
VR40505	VRV0161B503	V.RESISTOR 50K	1	
VR40506	VRV0161B203	V.RESISTOR 20K	1	
		MISCELLANEOUS		
	XYN2+J6	SCREW	2	
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XYN3+K8	SCREW	2	
	XNG3ES	NUT	2	
■ E5	VEP83428B	V IN P.C.BOARD	1	(RTL)
C3001-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3008-10	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3011,12	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C3101-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C3112	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3113	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3114	ECKF1H122KB	C.CAPACITOR 50V 1200P	1	
C3201-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3204	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3205,06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3207	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3209	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3210	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3211-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3214	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C3215,16	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C3217	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3218	ECUX1H471JUV	C.CAPACITOR CH 50V 470P	1	
C3219	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C3220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3221	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3222,23	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	2	
C3224	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3225	ECUX1H060DCV	C.CAPACITOR CH 50V 6P	1	
C3226	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3227,28	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C3229-33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3301-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3401-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3404,05	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C3406-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	14	
C3501-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3651-56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3751-59	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
D3001	MA736	DIODE	1	
D3201	MA142WK	DIODE	1	
D3202	MA335-R	DIODE	1	
D3203	MA152WA	DIODE	1	
FL3001-03	VLF1016A223	FILTER	3	
FL3201,02	VLF0941C223	FILTER	2	
FL3203	VLQ0415	COIL	1	
FL3301	VLF0941C223	FILTER	1	
FL3401,02	VLF0941C223	FILTER	2	
IC3001	XC62FP5002P	IC	1	
IC3002	XC62DN5002P	IC	1	
IC3101	TC7SH04FU	IC	1	
IC3102	TVHC32FT	IC	1	
IC3103-06	TVHC244FT	IC	4	
IC3107	TVHC367FT	IC	1	
IC3108	TVHC123FT	IC	1	
IC3109-11	TVHC244FT	IC	3	
IC3112	TC7SH08FU	IC	1	
IC3113	TC7SH32FU	IC	1	
IC3201	TVHC00FT	IC	1	
IC3202	TC7S14F	IC	1	
IC3203	TVHC74FT	IC	1	
IC3204	NJM082BV	IC	1	
IC3205	TC4W53FU	IC	1	
IC3206,07	DM74LS221SJ	IC	2	
IC3208	TVHC244FT	IC	1	
IC3301	TVHC367FT	IC	1	
IC3302	PZ3128S10BP	IC	1	BLANK ROM
IC3401	MN47V78SP	IC	1	
IC3402	T160G70-1601	IC	1	
IC3403	MN47V78SP	IC	1	
IC3404	TC7SH00FU	IC	1	
IC3405,06	TC7SH04FU	IC	2	
IC3407	TVHT08FT	IC	1	
IC3408	TVHC04FT	IC	1	
IC3501,02	TLCX574FT	IC	2	
IC3503-05	TVHC244FT	IC	3	
IC3506	TVHC574FT	IC	1	
IC3507	TVHC244FT	IC	1	
IC3508	TVHT244FT	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3651	TVHC574FT	IC	1	
IC3652	UPD65868D022	IC	1	
IC3751,52	SN74S1051NS	IC	2	
IC3753,54	TVHT541FT	IC	2	
IC3755	HD151015	IC	1	
IC3756	TVHC139FT	IC	1	
IC3757	UPD71055GB	IC	1	
IC3758	TC7SH04FU	IC	1	
ID3302	VVVS13182	IC	1	SOFTWARE
L3001	VLP0133	COIL	1	
L3201	VLQ0163J3R3	COIL 3.3UH	1	
P3001	VJP4064Q160	CONNECTOR (MALE)	1	
P3002	VJS4168B008	CONNECTOR (FEMALE)	1	
P3003	VJP3125B007	CONNECTOR (MALE)	1	
Q3201	2SC3938-R	TRANSISTOR	1	
Q3202,03	2SA1532-B	TRANSISTOR	2	
Q3204	2SC3938-R	TRANSISTOR	1	
R3001-03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3004-07	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3009-11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R3012	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3103-22	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	20	
R3123,24	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R3125	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3126-39	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	14	
R3140	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3141,42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3143	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3144	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3201	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3203	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R3204	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3205	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3206	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3208	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3209	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3210	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3211	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3212	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3213	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3215	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3216,17	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R3218	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3219	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3222,23	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R3224	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3225	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3226	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3227	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3228	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3230	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3231	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R3232	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R3234	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R3235	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3236,37	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3239,40	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R3301	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3303	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3304	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3306-10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3314,15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3401-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	9	
R3412	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3414-18	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R3422,23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3424,25	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3426,27	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3428-31	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3501-03	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R3504-27	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	24	
R3528	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3529-36	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R3538, 39	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3540-42	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R3543-50	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R3551	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3552-54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3651	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3653	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3654-57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3658, 59	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3660-62	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3663	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3664-66	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3667, 68	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3669	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3670-72	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R3751, 52	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3753-57	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	5	
R3758	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3759	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3760	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3761	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3762	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3763	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3764	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3767, 68	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3770	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
TG3101	EYF6CU	TEST POINT	1	
TG3201	EYF6CU	TEST POINT	1	
TG3401	EYF6CU	TEST POINT	1	
TG3501	EYF6CU	TEST POINT	1	
TP3201, 02	EYF6CU	TEST POINT	2	
TP3401-08	EYF6CU	TEST POINT	8	
VR3202	EVM7JGA00B23	V.RESISTOR 2K	1	
		MISCELLANEOUS		
	XYN2+J6	SCREW	2	
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XYN3+K8	SCREW	2	
	XNG3ES	NUT	2	
■ E6	VEP83429B	V OUT P.C.BOARD	1	(RTL)
C3001-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3005, 06	ECEV1CV4700	E.CAPACITOR CH 16V 47U	2	
C3007-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3013	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3014, 15	ECEV1CV1000	E.CAPACITOR CH 16V 10U	2	
C3016	ECEV1CV4700	E.CAPACITOR CH 16V 47U	1	
C3017, 18	ECEV0JV3300	E.CAPACITOR CH6.3V 33U	2	
C3151-53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3201-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3281-86	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3301-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3351-56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3381-90	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3451, 52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3453	ECST1AX106Z	T.CAPACITOR CH 10V 10U	1	
C3454-57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3458	ECST1AX106Z	T.CAPACITOR CH 10V 10U	1	
C3459	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3481-92	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3561-64	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3565	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3566	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3567	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	1	
C3568	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C3569	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3570	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3572-79	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3580	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3581	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3651	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3652	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3653	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3654, 55	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3656	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3657	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C3658, 59	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3660	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3661	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	1	
C3662	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3663	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3664	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3665	ECEV1HV0100	E.CAPACITOR CH 50V 1U	1	
C3666-70	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3671	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3672	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3673	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3674	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3675	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3676	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3677	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3678	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3679	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	1	
C3680	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3681	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3682, 83	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3686	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3687-91	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3692, 93	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C3694	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3711	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3712	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3713, 14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3715	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3716	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3717	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3718-20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3721	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3722	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3723	ECEV1VAN2R2	E.CAPACITOR CH 35V 2.2U	1	
C3724	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3725	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3726-28	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3729	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3730-32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3733	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C3734	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3735	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	1	
C3736	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3737	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3738	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3739	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C3740, 41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3742	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3743	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3744	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3745	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3747	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3750	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3751	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3752-54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3755	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3771	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3772-76	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3777	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3778	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	1	
C3779	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3780	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3781	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C4001-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C4006	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4008-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C4013-15	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	3	
C4101-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4104	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C4105,06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4107	ECEV1HV0R1Q	E.CAPACITOR CH 50V 0.1U	1	
C4108	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4109	ECEV1HV0R1Q	E.CAPACITOR CH 50V 0.1U	1	
C4110	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C4111	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4112	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C4113,14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4201-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C4301-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C4401-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4501-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
D3001	MA736	DIODE	1	
D3561	MA142K	DIODE	1	
D3651	MA142WK	DIODE	1	
D3711	MA142K	DIODE	1	
D3712	MA335-R	DIODE	1	
D3713	MA152K	DIODE	1	
D3771	MA152K	DIODE	1	
FL3001-04	VLF1016A223	FILTER	4	
FL3651	VLF1016A223	FILTER	1	
FL3711	VLF1016A223	FILTER	1	
FL3771	VLF0941C223	FILTER	1	
FL4001-03	VLF0941C223	FILTER	3	
IC3001,02	XC62FP5002P	IC	2	
IC3003	XC62DN5002P	IC	1	
IC3151-53	TVHC244FT	IC	3	
IC3201	TLCX244FT	IC	1	
IC3202,03	TLCX574FT	IC	2	
IC3204,05	TLCX244FT	IC	2	
IC3206	TC7SH04FU	IC	1	
IC3207-10	TLCX574FT	IC	4	
IC3281	PZ3128S10BP	IC	1	BLANK ROM
IC3301	T160G70-1601	IC	1	
IC3351	PZ3128S10BP	IC	1	BLANK ROM
IC3381,82	MN47V78SP	IC	2	
IC3383,84	TVHC541FT	IC	2	
IC3385	PZ3128S10BP	IC	1	BLANK ROM
IC3451	ADV7122KST50	IC	1	
IC3452	AD589JR	IC	1	
IC3481,82	MN47V78SP	IC	2	
IC3483,84	TVHC541FT	IC	2	
IC3485	PZ3128S10BP	IC	1	BLANK ROM
IC3486,87	TLCX244FT	IC	2	
IC3561	NJM082BV	IC	1	
IC3562	MN74HC221S	IC	1	
IC3563	UPD65650J203	IC	1	
IC3564	TVHC08FT	IC	1	
IC3565	TVHC244FT	IC	1	
IC3566	TVHC240FT	IC	1	
IC3567	TC7SH08FU	IC	1	
IC3651	AN91A12S	IC	1	
IC3652	MB86023PF	IC	1	
IC3653	NE521D	IC	1	
IC3654	MC74HC04AF	IC	1	
IC3655	MN74HC221S	IC	1	
IC3656	MC74HC125AF	IC	1	
IC3657,58	MN74HC221S	IC	2	
IC3659	NJM082BV	IC	1	
IC3660	TC7SH00FU	IC	1	
IC3711	MC14053BF	IC	1	
IC3712	TC7SH08FU	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3713-15	NJM082BV	IC	3	
IC3716	NE521D	IC	1	
IC3717	NJM78L09UA	IC	1	
IC3718,19	TC7SH00FU	IC	2	
IC3772	NJM082BV	IC	1	
IC3773	TVHC74FT	IC	1	
IC3774,75	TVHC244FT	IC	2	
IC3776	TC7SH08FU	IC	1	
IC4001	TVHC74FT	IC	1	
IC4002,03	TVHT541FT	IC	2	
IC4004	TVHC541FT	IC	1	
IC4005	TC7SH08FU	IC	1	
IC4006,07	TVHC541FT	IC	2	
IC4008	TC7SH04FU	IC	1	
IC4101	XC62FP5002P	IC	1	
IC4102	MC4044M	IC	1	
IC4103,04	TVHC541FT	IC	2	
IC4105	TC7SH04FU	IC	1	
IC4106	TVHC74FT	IC	1	
IC4107,08	TC7SH04FU	IC	2	
IC4201	K6256DLG7L	IC	1	
IC4202	TVHC157FT	IC	1	
IC4203	T16GH7AF1216	IC	1	
IC4204	K6256DLG7L	IC	1	
IC4301,02	TC7SH04FU	IC	2	
IC4303	D485505G25	IC	1	
IC4304	MB621926	IC	1	
IC4305	K6256DLG7L	IC	1	
IC4401	MB621926	IC	1	
IC4402	MB814400C70L	IC	1	
IC4501,02	SN74S1051NS	IC	2	
IC4503,04	TVHT541FT	IC	2	
IC4505	HD151015T	IC	1	
IC4506	TVHC139FT	IC	1	
IC4507	UPD71055GB	IC	1	
IC4508	TC7SH04FU	IC	1	
IC4509	TVHC541FT	IC	1	
ID3281	VVVS12947	IC	1	SOFTWARE
ID3351	VVVS12948	IC	1	SOFTWARE
ID3385	VVVS12949	IC	1	SOFTWARE
ID3485	VVVS12950	IC	1	SOFTWARE
L3001,02	VLP0133	COIL	2	
L3452	VLQ0576	COIL	1	
L3453	VLQ0319K101	COIL 100UH	1	
L3561	VLQ0319K470	COIL 47UH	1	
L3651	VLQ0319K221	COIL 220UH	1	
L3652	VLQ0163J390	COIL 39UH	1	
L3653	VLQ0319K101	COIL 100UH	1	
L3655,56	VLQ0319K470	COIL 47UH	2	
L3711	VLQ0319K470	COIL 47UH	1	
L3712	VLQ0163J221	COIL 220UH	1	
L3713-16	VLQ0319K470	COIL 47UH	4	
L3771,72	VLQ0319K470	COIL 47UH	2	
P3001	VJP4064Q160	CONNECTOR (MALE)	1	
P3002	VJP3125B007	CONNECTOR (MALE)	1	
P3003	VJS4168B008	CONNECTOR (FEMALE)	1	
Q3451	2SK374-R	TRANSISTOR	1	
Q3452-54	2SB1218A-R	TRANSISTOR	3	
Q3711	2SB709A-R	TRANSISTOR	1	
Q3712,13	2SK608-R	TRANSISTOR	2	
R3001-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3005-08	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3151,52	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3153	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3154,55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3156-58	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3201-05	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R3281	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3283	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3285-87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3301	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3351	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3353	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3355-57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3381-83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3384	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3386	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3388-91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3451	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3452	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3453-56	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	4	
R3457,58	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	2	
R3459,60	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R3462-64	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R3465-67	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3468	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3469	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3482-84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3485	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3487	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3489-91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3492,93	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3494-03	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	10	
R3561	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3562	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3563	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3568-71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3572	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3573	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3574	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3575	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3582	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3583	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3584	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3586	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3587,88	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3589,90	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3591	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3592-03	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	12	
R3651	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3652	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3653	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3654	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3655	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3656	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3657	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R3658	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3659	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R3660,61	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3662	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R3663	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3664	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3665	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3666	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R3667	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3669	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3670	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3671	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3672	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3673,74	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R3675	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3676	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3677	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3678	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3679-81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3682	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3711	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3712	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3713	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3714	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3715	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3717	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3718	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3719	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3720	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3721	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3722	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3723	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3724	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3725	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3726,27	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3728,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3730	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R3731	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3732	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3733	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3734	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3735,36	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3737	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3738	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3739	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3740	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3741	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3742	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3744	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3745	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3747	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3748	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3749	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3753-55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3771	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3772	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3773	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3774	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3775	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3776	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3777	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3778	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3779,80	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3781-88	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R4001-13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	13	
R4014-16	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R4018	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4019	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4021	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4022-27	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	6	
R4028-30	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R4031,32	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R4033-41	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	9	
R4101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4104,05	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R4106	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4107	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4108,09	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4110-13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	4	
R4114,15	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4116	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4203	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4205	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4207	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4209	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4210,11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4212	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4213-17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R4219,20	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R4221	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4222	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4301	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4302	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4306,07	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4309-12	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	4	
R4313	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4316	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4318	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4320,21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4325	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4326	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4329	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4402	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4403	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4405	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4406	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4407	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4408	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4409	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4410	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4411	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4412	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4414	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4416	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4417	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4418	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4419	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4420	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4421	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4422	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4424	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4426	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4428	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4501,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R4503-07	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	5	
R4508	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R4509	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4510	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R4511	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4512	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R4513	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4514,15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4516	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4517	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4519	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4521	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
TG3301	EYF6CU	TEST POINT	1	
TG3381	EYF6CU	TEST POINT	1	
TG3561	EYF6CU	TEST POINT	1	
TG3651	EYF6CU	TEST POINT	1	
TG3711	EYF6CU	TEST POINT	1	
TG4101	EYF6CU	TEST POINT	1	
TG4201	EYF6CU	TEST POINT	1	
TP3561-64	EYF6CU	TEST POINT	4	
TP3651-54	EYF6CU	TEST POINT	4	
TP3711,12	EYF6CU	TEST POINT	2	
TP4101,02	EYF6CU	TEST POINT	2	
TP4201-03	EYF6CU	TEST POINT	3	
VC3711	VCV0050	TRIMMER	1	
VR3561	EVM7JGA00B53	V.RESISTOR 5K	1	
VR3651	EVM7JGA00B54	V.RESISTOR 50K	1	
VR3652	EVM7JGA00B53	V.RESISTOR 5K	1	
VR3653	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3711	EVM7JGA00B23	V.RESISTOR 2K	1	
VR3712	EVM7JGA00B53	V.RESISTOR 5K	1	
VR3771	EVM7JGA00B53	V.RESISTOR 5K	1	
X3651	VSX0270	CRYSTAL OSCILLATOR	1	
X3711	VSX0363	CRYSTAL OSCILLATOR	1	
X3712	VSX0567A	CRYSTAL OSCILLATOR	1	
X3771	VSX0788	CRYSTAL OSCILLATOR	1	
X4101	VSX0968	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	XYN2+J6	SCREW	2	
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XYN3+K8	SCREW	2	
	XNG3ES	NUT	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E7	VEP84320B	AV I/O P.C.BOARD	1	(RTL)
C3201	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3202,03	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C3204,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3206	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3207	ECUX1A105KBN	C.CAPACITOR CH 10V 1U	1	
C3208	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3210	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3212	ECEV1HV4R7Q	E.CAPACITOR CH 50V 4.7U	1	
C3213	ECHU1C392J	P.CAPACITOR 16V 3900P	1	
C3214	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C3215	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3216	ECHU1C152J	P.CAPACITOR 16V 1500P	1	
C3217	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3218	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3219	ECUM1C334KBM	C.CAPACITOR CH 16V 0.33U	1	
C3220	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3221	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3222	ECHU1C683JB5	P.CAPACITOR 16V 0.068U	1	
C3223	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3224	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C3225	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3229	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3230	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3231	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3301,02	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C3306	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3311,12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3401,02	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	2	
C3403	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3404,05	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3406,07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3408,09	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C3412,13	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3416-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C4001	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4002,03	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C4004,05	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	2	
C4006	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4007-10	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C4011-14	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	4	
C4015-18	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C4019	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4020,21	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C4022-24	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	3	
C4025-32	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	8	
C4033-36	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	4	
C4037-44	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	8	
C4045-48	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	4	
D3201	MA142K	DIODE	1	
D4001-04	MA147	DIODE	4	
IC3201	XC62AP5002P	IC	1	
IC3204	AN3296S	IC	1	
IC3205	MM74HC221AM	IC	1	
IC3206	TC7S08F	IC	1	
IC3301	AD828AR	IC	1	
IC3401	TC7S08F	IC	1	
IC3402	AD828AR	IC	1	
IC3403,04	NJM082BV	IC	2	
IC4001-06	TA75W558FU	IC	6	
L3201,02	VLQ0319K101	COIL 100UH	2	
L3301,02	VLQ0319K101	COIL 100UH	2	
L3401,02	VLQ0319K101	COIL 100UH	2	
P3501,02	VJP3600B030K	CONNECTOR (MALE)	2	
P3503	VJS3421A020	CONNECTOR (FEMALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P3504	VJS3421A028	CONNECTOR (FEMALE)	1	
P3505	VJP1230T	CONNECTOR (MALE) 3P	1	
Q3201	XN4501	TRANSISTOR-RESISTOR	1	
Q3204	2SB1218A-R	TRANSISTOR	1	
Q3206,07	2SD1819A-R	TRANSISTOR	2	
Q3401,02	2SD1819A-R	TRANSISTOR	2	
Q3403,04	2SK198-R	TRANSISTOR	2	
Q4001,02	2SD602A-R	TRANSISTOR	2	
Q4003,04	2SB710A-R	TRANSISTOR	2	
Q4005,06	2SD1979	TRANSISTOR	2	
Q4007	2SD874A-R	TRANSISTOR	1	
Q4008	2SB766A-R	TRANSISTOR	1	
Q4009	2SD874A-R	TRANSISTOR	1	
Q4010	2SB766A-R	TRANSISTOR	1	
Q4011	2SD874A-R	TRANSISTOR	1	
Q4012	2SB766A-R	TRANSISTOR	1	
Q4013	2SD874A-R	TRANSISTOR	1	
Q4014	2SB766A-R	TRANSISTOR	1	
R3202	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3204	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3207	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R3210	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3211	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3212	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3213	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3216	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3219	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R3220	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3222	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3223	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3224	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3225	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3226	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3227	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R3228	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3229	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3230	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3231	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3232	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3235	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3236,37	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R3238	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3240	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3242	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3243	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3302	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3304	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3306	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3310	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R3311	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3312	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3314	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R3315	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R3317	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3320	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3321	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3328	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R3329	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3330	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R3332	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R3333	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3401,02	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R3403,04	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3405,06	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3407,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R3409,10	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R3411,12	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3413,14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3415	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3417	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3419	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R3420	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3421	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3422	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3423	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R3424	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3425	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R3426	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3427,28	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R3429,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3431,32	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R3433,34	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R3435,36	ERJ6RED750	M.RESISTOR CH 1/10W 75	2	
R3439,40	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3501-03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4001,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4003,04	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4005,06	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4007,08	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R4009,10	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4013,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4015,16	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R4017	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4018	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4019	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4020	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4021	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4022	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4023	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4024	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4025,26	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4027-34	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4035	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4036	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4037,38	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	2	
R4039,40	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	2	
R4041	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4042	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4043	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4044	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4045,46	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	2	
R4047	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4048	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4049-56	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	8	
R4059-66	ERJ14YJ100	M.RESISTOR CH 1/4W 10	8	
R4067	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4068	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R4069	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4070	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R4071	ERJ3RED150	M.RESISTOR CH 1/16W 15	1	
R4072	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R4073	ERJ3RED150	M.RESISTOR CH 1/16W 15	1	
R4074	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R4075-78	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4079-82	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	4	
R4083-86	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4087,88	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
RY4001-04	AQV212SX	IC	4	
TG3201	EYF6CU	TEST POINT	1	
TG3301	EYF6CU	TEST POINT	1	
TP3303	EYF6CU	TEST POINT	1	
TP3305	EYF6CU	TEST POINT	1	
TP3401,02	EYF6CU	TEST POINT	2	
VR4001,02	VRV0161B102	V.RESISTOR 1K	2	
■ E8	VEP85172A	RF P.C.BOARD	1	(RTL)
C1,C2	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	2	
C3-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C13	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C14-21	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	8	
C22-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C32,33	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	2	
C34,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C36,37	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	2	
C38-45	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C46-52	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	7	
C53-60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C61,62	ECEV1EV100Q	E.CAPACITOR CH 25V 10U	2	
C63	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C64	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C65,66	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	2	
C67-72	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C73,74	ECEV1EV100Q	E.CAPACITOR CH 25V 10U	2	
C75	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C76	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C77-80	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C91,92	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
C101	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C103	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C104	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C105	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C106,07	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C111	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C113	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C114	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C115	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C116,17	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C121	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C123	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C124	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C125	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C126,27	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C131	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C133	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C134	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C135	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C136,37	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C151,52	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C161,62	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C171,72	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C181,82	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C191	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C192	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C193-97	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C201	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C202-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C208	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C209	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C210	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C215-23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C224	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C225	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C227	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C228	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C229	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C230-32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C241	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C242-47	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C248	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C249	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C250	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C255-63	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C264	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C265	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C267	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C268	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C269	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C270-72	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C281,82	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C283-88	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C301	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C302-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C308	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C309	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C310	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C315-23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C324	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C325	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C327	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C328	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C329	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C330-32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C341	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C342-47	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C348	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C349	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C350	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C355-63	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C364	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C365	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C367	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C368	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C369	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C370-72	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C381,82	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C383-87	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C401-08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C409	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C411-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C414	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C415-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C418,19	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	2	
C420	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C421-24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C425	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C426,27	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C428	ECUX1H563KBN	C.CAPACITOR CH 50V 0.056U	1	
C429	ECUM1H473KBN	C.CAPACITOR CH 50V 0.047U	1	
C430	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C431	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C432	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C433-35	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C436	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C437	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C438	ECUX1H563KBN	C.CAPACITOR CH 50V 0.056U	1	
C439	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C440	ECUM1H473KBN	C.CAPACITOR CH 50V 0.047U	1	
C441	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C442	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C443	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C444	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C445	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C446	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C447	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C448	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C449,50	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C451,52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C453,54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C455-60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C461-65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C466	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C467	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C468	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C469	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C470	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C471	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C472-74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C475	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C476	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C477	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C478	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C479-82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C483,84	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C485,86	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	
C487	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C488,89	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
C490	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C491	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C501-08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C509	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C511-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C514	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C515-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C518,19	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	2	
C520	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C521-24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C525	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C526,27	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C528	ECUX1H563KBN	C.CAPACITOR CH 50V 0.056U	1	
C529	ECUM1H473KBN	C.CAPACITOR CH 50V 0.047U	1	
C530	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C531	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C532	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C533-35	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C536	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C537	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C538	ECUX1H563KBN	C.CAPACITOR CH 50V 0.056U	1	
C539	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C540	ECUM1H473KBN	C.CAPACITOR CH 50V 0.047U	1	
C541	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C542	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C543	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C544	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C545	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C546	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C547	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C548	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C549,50	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C551,52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C553,54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C555-60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C561-65	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C566	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C567	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C568	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C569	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C570	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C571	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C572-74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C575	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C576	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C577	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C578	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C579-82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C583,84	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C585,86	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	
C587	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C588,89	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
C590	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C591	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C601	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C602-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C606	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C607,08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C609	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C610	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C611	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C612-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C616-18	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C619,20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C621	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C622	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C623	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C624	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C625	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C626	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C627	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C628	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C629	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C630	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C631	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C632	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C633	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C634	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C635	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C636,37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C638	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C639	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C640,41	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C642,43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C644	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C645	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C646	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C647-50	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C651-53	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C654	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C655	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C656,57	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C658	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C659	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C660	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C661-64	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C665	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C666	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C667	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C668	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C669	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C670,71	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C672-75	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C676	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C677	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C678-81	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C682-85	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C686	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C687	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C688,89	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C690-00	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C701	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C702-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C706	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C707,08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C709	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C710	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C711	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C712-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C716-18	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C719,20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C721	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C722	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C723	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C724	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C725	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C726	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C727	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C728	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C729	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C730	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C731	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C732	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C733	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C734	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C735	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C736,37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C738	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C739	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C740,41	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C742,43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C744	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C745	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C746	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C747-50	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C751-53	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C754	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C755	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C756,57	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C758	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C759	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C760	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C761-64	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C765	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C766	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C767	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C768	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C769	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C770,71	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C772-75	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C776	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C777	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C778-81	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C782-85	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C786	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C787	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C788,89	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C790-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	29	
C851-53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C857,58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C860,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C868	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C870-91	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	22	
C901-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C905,06	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
C907,08	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	2	
C909,10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C911,12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C913,14	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C915,16	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C917,18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C919	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C920,21	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C922-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C930	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C931-34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C936-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
D1	MA701A	DIODE	1	
D2	11EQS04	DIODE	1	
D3	MA701A	DIODE	1	
D191	MA153	DIODE	1	
D201,02	MA142WK	DIODE	2	
D241,42	MA142WK	DIODE	2	
D301,02	MA142WK	DIODE	2	
D341,42	MA142WK	DIODE	2	
D901	MA142K	DIODE	1	
FL1-10	VLF0931	FILTER	10	
IC1	LT1086CM	IC	1	
IC2-C8	XC62AP5002P	IC	7	
IC9-14	XC62DN5002P	IC	6	
IC101,02	TVHC08FT	IC	2	
IC103	TVHC32FT	IC	1	
IC104	TC7W32FU	IC	1	
IC105	TVHT04FT	IC	1	
IC201,02	TC4S69F	IC	2	
IC211	MC10H116M	IC	1	
IC241,42	TC4S69F	IC	2	
IC251	MC10H116M	IC	1	
IC281	MC10H116M	IC	1	
IC282	MC10H131M	IC	1	
IC301,02	TC4S69F	IC	2	
IC311	MC10H116M	IC	1	
IC341,42	TC4S69F	IC	2	
IC351	MC10H116M	IC	1	
IC381	MC10H116M	IC	1	
IC401,02	UPC5102GS030	IC	2	
IC403	UPC1663G	IC	1	
IC404	NJM1496V	IC	1	
IC405	NJM062V	IC	1	
IC406	NJM319V	IC	1	
IC501,02	UPC5102GS030	IC	2	
IC503	UPC1663G	IC	1	
IC504	NJM1496V	IC	1	
IC505	NJM062V	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC506	NJM319V	IC	1	
IC601	AN3730FA	IC	1	
IC602	AN3740FAP-A	IC	1	
IC603	TC4S66F	IC	1	
IC604	AN3745FBP-A	IC	1	
IC605	TC4S66F	IC	1	
IC606	UPC1663G	IC	1	
IC607	AD9057BRS	IC	1	
IC608	TVHC157FT	IC	1	
IC609	TC6326AF	IC	1	
IC610	TLCX74FT	IC	1	
IC611	TLCX32FT	IC	1	
IC612	TVHC163FT	IC	1	
IC613	NJM064V	IC	1	
IC701	AN3730FA	IC	1	
IC702	AN3740FAP-A	IC	1	
IC703	TC4S66F	IC	1	
IC704	AN3745FBP-A	IC	1	
IC705	TC4S66F	IC	1	
IC706	UPC1663G	IC	1	
IC707	AD9057BRS	IC	1	
IC708	TVHC157FT	IC	1	
IC709	TC6326AF	IC	1	
IC710	TLCX74FT	IC	1	
IC711	TLCX32FT	IC	1	
IC712	TVHC163FT	IC	1	
IC713	NJM064V	IC	1	
IC801	M62370GP	IC	1	
IC802-07	MC14053BDT	IC	6	
IC808-11	NJM064V	IC	4	
IC812	NJM062V	IC	1	
IC851	M62370GP	IC	1	
IC852-56	MC14053BDT	IC	5	
IC857	TC4W53FU	IC	1	
IC858-61	NJM064V	IC	4	
IC862	NJM062V	IC	1	
IC901	UPC4074G2	IC	1	
IC902	CXA1211M	IC	1	
IC903	MC14053BDT	IC	1	
IC904	TVHC32FT	IC	1	
IC905	TVHC74FT	IC	1	
IC906	TVHC157FT	IC	1	
IC907	TC7W08FU	IC	1	
IC908-10	TVHT04FT	IC	3	
IC911	TC7W32FU	IC	1	
IC912	S80727ANDQ	IC	1	
IC913	TC7W04FU	IC	1	
IC915	MC10H124M	IC	1	
IC916	TC7W32FU	IC	1	
L101,02	VLQ0163J2R2	COIL 2.2UH	2	
L111,12	VLQ0163J2R2	COIL 2.2UH	2	
L121,22	VLQ0163J2R2	COIL 2.2UH	2	
L131,32	VLQ0163J2R2	COIL 2.2UH	2	
L215,16	VLQ0163J330	COIL 33UH	2	
L255,56	VLQ0163J330	COIL 33UH	2	
L315,16	VLQ0163J330	COIL 33UH	2	
L355,56	VLQ0163J330	COIL 33UH	2	
L401	VLQ0163J1R0	COIL 1UH	1	
L402,03	VLQ0163J101	COIL 100UH	2	
L404	VLQ0163JR68	COIL 0.68UH	1	
L405	VLQ0163JR39	COIL 0.39UH	1	
L406	VLQ0163J101	COIL 100UH	1	
L407	VLQ0163JR33	COIL 0.33UH	1	
L408	VLQ0163J101	COIL 100UH	1	
L409	VLQ0163JR68	COIL 0.68UH	1	
L410	VLQ0163JR39	COIL 0.39UH	1	
L411	VLQ0163JR33	COIL 0.33UH	1	
L412,13	VLQ0163JR39	COIL 0.39UH	2	
L501	VLQ0163J1R0	COIL 1UH	1	
L502,03	VLQ0163J101	COIL 100UH	2	
L504	VLQ0163JR68	COIL 0.68UH	1	
L505	VLQ0163JR39	COIL 0.39UH	1	
L506	VLQ0163J101	COIL 100UH	1	
L507	VLQ0163JR33	COIL 0.33UH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L508	VLQ0163J101	COIL 100UH	1	
L509	VLQ0163JR68	COIL 0.68UH	1	
L510	VLQ0163JR39	COIL 0.39UH	1	
L511	VLQ0163JR33	COIL 0.33UH	1	
L512,13	VLQ0163JR39	COIL 0.39UH	2	
L901,02	VLQ0163J101	COIL 100UH	2	
P1	VJP4064L140	CONNECTOR (MALE)	1	
P2	VJS3900C013	CONNECTOR (FEMALE)	1	
P3	VJS3900A024	IC	1	
Q1,Q2	2SD2402	TRANSISTOR	2	
Q101	2SB709A-R	TRANSISTOR	1	
Q102,03	2SC3735B35	TRANSISTOR	2	
Q111	2SB709A-R	TRANSISTOR	1	
Q112,13	2SC3735B35	TRANSISTOR	2	
Q121	2SB709A-R	TRANSISTOR	1	
Q122,23	2SC3735B35	TRANSISTOR	2	
Q131	2SB709A-R	TRANSISTOR	1	
Q132,33	2SC3735B35	TRANSISTOR	2	
Q151	2SA1022-C	TRANSISTOR	1	
Q161	2SA1022-C	TRANSISTOR	1	
Q171	2SA1022-C	TRANSISTOR	1	
Q181	2SA1022-C	TRANSISTOR	1	
Q191	2SB709A-R	TRANSISTOR	1	
Q192	2SD601A-R	TRANSISTOR	1	
Q201	2SA1532-B	TRANSISTOR	1	
Q202-07	2SD1979	TRANSISTOR	6	
Q215	2SC3935	TRANSISTOR	1	
Q216	2SA1532-B	TRANSISTOR	1	
Q217	2SK508K512	TRANSISTOR	1	
Q218	2SC2954	TRANSISTOR	1	
Q219	2SA1532-B	TRANSISTOR	1	
Q220,21	2SC2954	TRANSISTOR	2	
Q222	2SK508K512	TRANSISTOR	1	
Q223	2SC3935	TRANSISTOR	1	
Q241	2SA1532-B	TRANSISTOR	1	
Q242-47	2SD1979	TRANSISTOR	6	
Q255	2SC3935	TRANSISTOR	1	
Q256	2SA1532-B	TRANSISTOR	1	
Q257	2SK508K512	TRANSISTOR	1	
Q258	2SC2954	TRANSISTOR	1	
Q259	2SA1532-B	TRANSISTOR	1	
Q260,61	2SC2954	TRANSISTOR	2	
Q262	2SK508K512	TRANSISTOR	1	
Q263	2SC3935	TRANSISTOR	1	
Q301	2SA1532-B	TRANSISTOR	1	
Q302-07	2SD1979	TRANSISTOR	6	
Q315	2SC3935	TRANSISTOR	1	
Q316	2SA1532-B	TRANSISTOR	1	
Q317	2SK508K512	TRANSISTOR	1	
Q318	2SC2954	TRANSISTOR	1	
Q319	2SA1532-B	TRANSISTOR	1	
Q320,21	2SC2954	TRANSISTOR	2	
Q322	2SK508K512	TRANSISTOR	1	
Q323	2SC3935	TRANSISTOR	1	
Q341	2SA1532-B	TRANSISTOR	1	
Q342-47	2SD1979	TRANSISTOR	6	
Q355	2SC3935	TRANSISTOR	1	
Q356	2SA1532-B	TRANSISTOR	1	
Q357	2SK508K512	TRANSISTOR	1	
Q358	2SC2954	TRANSISTOR	1	
Q359	2SA1532-B	TRANSISTOR	1	
Q360,61	2SC2954	TRANSISTOR	2	
Q362	2SK508K512	TRANSISTOR	1	
Q363	2SC3935	TRANSISTOR	1	
Q401	XN5531	TRANSISTOR-RESISTOR	1	
Q402,03	2SK508K512	TRANSISTOR	2	
Q404,05	2SD1979	TRANSISTOR	2	
Q406	XN5531	TRANSISTOR-RESISTOR	1	
Q407-13	2SD1979	TRANSISTOR	7	
Q414	2SC2295-C	TRANSISTOR	1	
Q415	XN6537	TRANSISTOR-RESISTOR	1	
Q416	2SD1979	TRANSISTOR	1	
Q417	2SC2295-C	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q418-20	2SD1979	TRANSISTOR	3	
Q421	2SC3935	TRANSISTOR	1	
Q422	XN5531	TRANSISTOR-RESISTOR	1	
Q423,24	2SC3935	TRANSISTOR	2	
Q425,26	2SK508K512	TRANSISTOR	2	
Q501	XN5531	TRANSISTOR-RESISTOR	1	
Q502,03	2SK508K512	TRANSISTOR	2	
Q504,05	2SD1979	TRANSISTOR	2	
Q506	XN5531	TRANSISTOR-RESISTOR	1	
Q507-13	2SD1979	TRANSISTOR	7	
Q514	2SC2295-C	TRANSISTOR	1	
Q515	XN6537	TRANSISTOR-RESISTOR	1	
Q516	2SD1979	TRANSISTOR	1	
Q517	2SC2295-C	TRANSISTOR	1	
Q518-20	2SD1979	TRANSISTOR	3	
Q521	2SC3935	TRANSISTOR	1	
Q522	XN5531	TRANSISTOR-RESISTOR	1	
Q523,24	2SC3935	TRANSISTOR	2	
Q525,26	2SK508K512	TRANSISTOR	2	
Q601,02	XN5531	TRANSISTOR-RESISTOR	2	
Q603,04	2SC3935	TRANSISTOR	2	
Q605,06	2SD1979	TRANSISTOR	2	
Q607	2SC3935	TRANSISTOR	1	
Q701,02	XN5531	TRANSISTOR-RESISTOR	2	
Q703,04	2SC3935	TRANSISTOR	2	
Q705,06	2SD1979	TRANSISTOR	2	
Q707	2SC3935	TRANSISTOR	1	
Q901,02	2SC3935	TRANSISTOR	2	
Q903-12	2SB710A-R	TRANSISTOR	10	
QR1,R2	UN5215	TRANSISTOR-RESISTOR	2	
QR3,R4	UN5114	TRANSISTOR-RESISTOR	2	
QR101	UN5213	TRANSISTOR-RESISTOR	1	
QR111	UN5213	TRANSISTOR-RESISTOR	1	
QR121	UN5213	TRANSISTOR-RESISTOR	1	
QR131	UN5213	TRANSISTOR-RESISTOR	1	
R1	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R2	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R3,R4	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R5,R6	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R61-64	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R65,66	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R71-74	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R75,76	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R81	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R82	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R91	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R92	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R93,94	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R95-99	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R101,02	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R103	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R104	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R105	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R106	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R107	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	1	
R108	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R109	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R110	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R111,12	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R113	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R114	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R115	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R116	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R117	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	1	
R118	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R119	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R120	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R121,22	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R123	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R124	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R125	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R126	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R127	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R128	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R129	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R130	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R131,32	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R133	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R134	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R135	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R136	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R137	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	1	
R138	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R139	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R140	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R141	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R142	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R143	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R144	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R145	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R146	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R147	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R148	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R151-54	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R155	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R156,57	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R158	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R159	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R160	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R161-64	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R165	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R166,67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R168	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R169	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R170	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R171-74	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R175	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R176,77	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R178	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R179	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R180	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R181-84	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R185	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R186,87	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R188	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R189	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R190	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R191	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R192	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R193	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R194-96	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R197	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R198	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R199	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R201,02	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R203	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R204-07	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R208,09	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R210	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R211	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R212	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R213	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R215,16	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R217,18	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R219	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R220,21	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R222,23	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R224	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R225	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R226	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R227	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R228,29	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R230	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R232	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R233	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R234	ERJ12YJ270	M.RESISTOR CH 1/2W 270	1	
R235	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R236	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R237	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R238	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R241,42	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R244-47	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R248,49	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R250	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R251	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R252	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R253	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R255,56	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R257,58	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R259	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R260,61	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R262,63	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R264	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R265	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R266	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R267	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R268,69	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R270	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R271	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R272	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R273	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R274	ERJ12YJ270	M.RESISTOR CH 1/2W 270	1	
R275	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R276	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R277	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R278	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R281	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R282	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R283-85	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R286-89	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R290	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R291,92	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R293-96	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R297,98	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	2	
R301,02	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R303	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R304-07	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R308,09	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R310	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R311	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R312	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R313	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R315,16	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R317,18	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R319	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R320,21	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R322,23	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R324	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R325	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R326	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R327	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R328,29	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R330	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R331	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R332	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R333	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R334	ERJ12YJ270	M.RESISTOR CH 1/2W 270	1	
R335	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R336	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R337	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R338	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R341,42	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R343	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R344-47	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R348,49	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R350	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R351	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R352	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R353	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R355,56	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R357,58	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R359	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R360,61	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R362,63	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R364	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R365	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R366	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R367	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R368,69	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R370	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R371	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R372	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R373	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R374	ERJ12YJ270	M.RESISTOR CH 1/2W 270	1	
R375	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R376	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R377	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R378	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R381	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R382	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R383-85	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R386-89	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R390	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R391,92	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R393-96	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R397,98	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	2	
R401,02	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R403	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R404	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R405	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R406	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R407,08	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R409,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R411-14	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	4	
R415,16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R417,18	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R419,20	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R421	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R422-24	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	3	
R425	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R426	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R427	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R428	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R429,30	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R431	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R432,33	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R434	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R435	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R436	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	
R437	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R438	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R439	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R440	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R441	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R442,43	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R444-47	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	4	
R448-50	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	3	
R451,52	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R453	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R454	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R455-57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R458,59	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R460,61	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R462	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R463	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R464	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R465-68	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R469-72	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	4	
R473	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R474	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R475	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R476,77	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R478	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R479	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R480	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R481	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R482	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R483	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R484	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R485	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R486,87	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R488,89	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R490	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R491,92	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R493	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R494	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R495	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R496	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R497	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R498	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R499	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R500	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R501,02	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R503	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R504	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R505	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R506	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R507,08	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R509,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R511-14	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	4	
R515,16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R517,18	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R519,20	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R521	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R522-24	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	3	
R525	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R526	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R527	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R528	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R529,30	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R531	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R532,33	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R534	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R535	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R536	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	
R537	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R538	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R539	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R540	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R541	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R542,43	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R544-47	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	4	
R548-50	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	3	
R551,52	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R553	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R554	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R555-57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R558,59	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R560,61	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R562	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R563	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R564	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R565-68	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R569-72	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	4	
R573	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R574	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R575	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R576,77	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R578	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R579	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R580	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R581	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R582	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R583	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R584	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R585	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R586,87	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R588,89	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R590	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R591,92	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R593	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R594	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R595	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R596	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R597	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R598	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R599	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R600	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R601,02	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R603	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R604	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R605	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R606	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R607	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R608	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R609	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R610,11	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R612-14	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R615,16	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R617	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R618	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R619-22	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R623	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R624	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R625	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R626	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R627	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R628	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R629	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R630	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R631	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R632	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R633	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R634	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R635	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R636	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R637,38	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R639	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R642-44	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R645	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R646	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R647	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R648	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R649	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R650	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R651	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R652	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R653	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R654	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R655	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R656	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R657	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R658	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R659	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R660	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R661	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R662,63	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R667,68	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R671	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R674	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R675,76	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R677-79	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R680-86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	7	
R687	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R688	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R689	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R690	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R691,92	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	2	
R693,94	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R701,02	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R703	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R704	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R705,06	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R707,08	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R709-11	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R712,13	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R714	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R715	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R716-19	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R720	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R721	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R722	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R723	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R724	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R725	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R726	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R727	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R728	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R729	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R730	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R731	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R732	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R733	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R734,35	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R736	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R739-41	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R742	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R743	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R744	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R745	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R746	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R747	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R748	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R749	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R750	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R751	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R752	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R753	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R754	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R755	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R756	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R757	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R758	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R759,60	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R764,65	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R768	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R771	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R772,73	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R774-76	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R777-83	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	7	
R784	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R785	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R786	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R787	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R788,89	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	2	
R790,91	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R801-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R804-06	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R807-10	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R811-15	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R816	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R817	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R818	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R819	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R820	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R821	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R822	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R823	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R824-29	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	6	
R830-33	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R834	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R835	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R836	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R837-45	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	9	
R846,47	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R848,49	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	2	
R851	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R852-54	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R855-58	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R859-63	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R864	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R865	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R866	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R867	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R868	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R869	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R870	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R871	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R872-77	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	6	
R878-81	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R882	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R883	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R884	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R885-93	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	9	
R894,95	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R896,97	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	2	
R901,02	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R903,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R905,06	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R907-10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R911,12	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R913-18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	
R919,20	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R921	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R922-27	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	
R928-36	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	9	
R937-40	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R941	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R942	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R943-47	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R948-51	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R952-55	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R956	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R957-60	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R965-72	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	8	
R973-88	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	16	
R990,91	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R992-99	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	8	
TG11	EYF6CU	TEST POINT	1	
TG101	EYF6CU	TEST POINT	1	
TG201	EYF6CU	TEST POINT	1	
TG401	EYF6CU	TEST POINT	1	
TG701	EYF6CU	TEST POINT	1	
TG901	EYF6CU	TEST POINT	1	
TP11-17	EYF6CU	TEST POINT	7	
TP101-04	EYF6CU	TEST POINT	4	
TP201-04	EYF6CU	TEST POINT	4	
TP301-03	EYF6CU	TEST POINT	3	
TP401,02	EYF6CU	TEST POINT	2	
TP501,02	EYF6CU	TEST POINT	2	
TP601,02	EYF6CU	TEST POINT	2	
TP701,02	EYF6CU	TEST POINT	2	
TP901-06	EYF6CU	TEST POINT	6	
VR801,02	VRV0161B203	V.RESISTOR 20K	2	
VR851,52	VRV0161B203	V.RESISTOR 20K	2	
		MISCELLANEOUS		
	XYN2+J6	SCREW	2	
	VMP5358	P.C.BOARD ANGLE	2	
	XTV3+6FFR	SCREW	2	
■ E9	VEP86274B	AV SYSCON P.C.BOARD	1	(RTL)
C60001	ECEV1HVR33Q	E.CAPACITOR CH 50V 0.33U	1	
C60002,03	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C60004	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C60005	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C60006,07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C60008-11	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C60012-16	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	5	
C60017	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C60018-31	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	14	
C60101-03	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C60201	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C60202-12	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	11	
C60301-04	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C60306-08	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C60401-03	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C60404	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C60405	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C60406	ECUX1E105KBP	C.CAPACITOR CH 25V 1U	1	
C60407	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C60408,09	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C60501-06	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	6	
C60601	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C60602	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C60603	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C60604	ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C60605,06	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C60607	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C60608	ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C60609	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C60610	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C60611,12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C60613	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C60614	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C60615	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C60616	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C60617	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C60618,19	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C60620	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C60621,22	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C60623	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C60624	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C60625	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C60626	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C60627	ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C60628	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C60629-32	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	4	
C60633	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C60634-37	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C60701-10	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	10	
C60801-04	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C60805-12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C60813,14	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C60818-21	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C60822	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C60823	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C60824,25	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C60826	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C60827	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C60828	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C60829-31	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C60832	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C60905,06	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	
C60907-10	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C61001	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C61002,03	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	2	
C61004-06	VCK0152	C.CAPACITOR	3	
C61007	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C61008-19	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	12	
C61107,08	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C61110,11	VCK0152	C.CAPACITOR	2	
D60001-06	MA143	DIODE	6	
D60201-03	MA143	DIODE	3	
D60401	MA142K	DIODE	1	
D60402-05	MA142WK	DIODE	4	
D60601-03	MA157	DIODE	3	
D60701-04	MA143	DIODE	4	
D60801	MA143	DIODE	1	
D61001-08	MA143	DIODE	8	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
FL60601	VLF1016A223	FILTER	1	
FL61001-03	VLF1016A223	FILTER	3	
IC60001	S80730ANDT	IC	1	
IC60002	M31010M6104H	IC	1	
IC60003	TVHC138FT	IC	1	
IC60004	TVHC32FT	IC	1	
IC60005	TVHC14FT	IC	1	
IC60006	TVHC08FT	IC	1	
IC60007	TVHC04FT	IC	1	
IC60008	TVHC32FT	IC	1	
IC60009	TVHC74FT	IC	1	
IC60011	TVHC126FT	IC	1	
IC60012	TVHC138FT	IC	1	
IC60013	TVHC00FT	IC	1	
IC60014	TLCX244FT	IC	1	
IC60101	MBLV80BA12PT	IC	1	BLANK ROM
IC60102,03	KM68V1CL	IC	2	
IC60201	T163G26-1019	IC	1	
IC60202	TVHC04FT	IC	1	
IC60203	TVHC14FT	IC	1	
IC60204	UPC393G2	IC	1	
IC60303	LVX32450SC	IC	1	
IC60304-06	TVHT541FT	IC	3	
IC60308	TVHC139FT	IC	1	
IC60309	TVHC32FT	IC	1	
IC60310	TVHC245FT	IC	1	
IC60401	TVHC123FT	IC	1	
IC60402	TVHC08FT	IC	1	
IC60403,04	MC14538BF	IC	2	
IC60501	TLCX245FT	IC	1	
IC60502-06	TVHC244FT	IC	5	
IC60601	MN51040VPI	IC	1	
IC60602	UPC393G2	IC	1	
IC60603	TA75W558FU	IC	1	
IC60604	NJM2068MD	IC	1	
IC60605	TA75W558FU	IC	1	
IC60606	XC62DN5002P	IC	1	
IC60607	TC7SH32FU	IC	1	
IC60608	TC4W53FU	IC	1	
IC60701	T163G26-1019	IC	1	
IC60702	TVHT541FT	IC	1	
IC60703,04	TVHC541FT	IC	2	
IC60801	TC7SHU04FU	IC	1	
IC60802	D703003GC017	IC	1	
IC60803	TC7SH04FU	IC	1	
IC60804,05	TVHC573FT	IC	2	
IC60806	TVHC14FT	IC	1	
IC60807	TVHC32FT	IC	1	
IC60808	TVHC04FT	IC	1	
IC60809	TVHC139FT	IC	1	
IC60810	TL7705CPSB	IC	1	
IC60902	IDT71321L55F	IC	1	
IC60903	STK12C68S45	IC	1	
IC60904	MBF8TA90PFTS	IC	1	BLANK ROM
IC61001	SN75C1168NS	IC	1	
IC61002-04	TA75W558FU	IC	3	
IC61102	NJM78L09UA	IC	1	
IC61103	NJM79L09UA	IC	1	
ID60101	VVVS12835E	IC	1	SOFTWARE
ID60904	VVVS12943F	IC	1	SOFTWARE
L60001	VLQ0319K100	COIL 10UH	1	
L60501-40	VLP0155	COIL	40	
L60801	VLQ0319K100	COIL 10UH	1	
P61001	VJS4168B008	CONNECTOR (FEMALE)	1	
P61003	VJS3813A022	CONNECTOR (FEMALE)	1	
P61104	VJP40640160	CONNECTOR (MALE)	1	
P61201	VJS3791B050	CONNECTOR (FEMALE)	1	
P61203,04	VJS3791B020	CONNECTOR (FEMALE)	2	
QR60001	UN5213	TRANSISTOR-RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR60201-03	UN5213	TRANSISTOR-RESISTOR	3	
QR60401-21	UN5214	TRANSISTOR-RESISTOR	21	
QR60601	UN5214	TRANSISTOR-RESISTOR	1	
R60001	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R60002	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60003	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60004	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60005	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60007-10	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R60011	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R60012	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60016	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R60017	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60019-22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R60023	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R60024	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R60025,26	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R60027	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60028,29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R60031,32	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R60033	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60035	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60037,38	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R60039	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R60040	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60041-46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R60050-52	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R60054	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60055-62	EXB24V473J	COMBI.R-R 47K	8	
R60063	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R60064-74	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	11	
R60101	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60102-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R60105	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60201	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60202	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60203	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60204	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60205	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R60206	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60207,08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R60209	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R60210	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60211,12	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R60214	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R60215	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60216	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60219	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R60220-24	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R60225	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60226-34	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	9	
R60235-39	EXB24V473J	COMBI.R-R 47K	5	
R60240	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60241,42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R60243,44	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R60245-49	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R60250-54	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R60255	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R60256	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60257	EXB24V473J	COMBI.R-R 47K	1	
R60258,59	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R60260,61	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R60262-66	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R60267,68	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R60301	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60303-05	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R60306-08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R60309,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R60311-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R60325-38	EXB24V473J	COMBI.R-R 47K	14	
R60401-05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R60406-13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	8	
R60414-17	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R60418	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R60419	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R60420	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R60421,22	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R60501-04	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R60505	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60506-14	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	9	
R60515-18	EXB24V473J	COMBI.R-R 47K	4	
R60601-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R60604	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60605-08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R60609	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R60610,11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R60612	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60613	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R60614	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R60615	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R60616	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R60617	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60619	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R60620	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60621	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60622-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R60625	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R60626	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R60627	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R60628-32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R60633	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60634	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R60635	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R60636	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R60637	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R60639	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60640	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R60641	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R60643	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R60644	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R60645	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R60646,47	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R60648	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R60649,50	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R60651	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60652	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R60653	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R60654	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60655	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R60656	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R60657	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60659	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60701-17	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	17	
R60718-21	EXB24V473J	COMBI.R-R 47K	4	
R60722-29	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R60730-33	EXB24V473J	COMBI.R-R 47K	4	
R60734-50	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	17	
R60751-53	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R60801-16	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	16	
R60817,18	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R60819	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R60820	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60822	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60824-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R60830	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60833	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60834,35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R60836-42	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	7	
R60843-47	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R60848	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60850,51	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R60852,53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R60854,55	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R60856-58	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R60859,60	EXB24V473J	COMBI.R-R 47K	2	
R60861	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60862,63	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R60864	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R60865,66	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R60902	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60903,04	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R60905	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60907	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R61002,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R61004-09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R61010-15	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	6	
R61016	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R61017-22	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	6	
R61023	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R61024	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R61025-28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R61029-34	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	6	
R61101,02	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R61103-06	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
SW60802	VSS0367-04B	SWITCH	1	
TG60801	EYF6CU	TEST POINT	1	
TG60809	EYF6CU	TEST POINT	1	
TG61106	EYF6CU	TEST POINT	1	
TP60001-1	EYF6CU	TEST POINT	10	
TP60601-0	EYF6CU	TEST POINT	5	
TP60802,0	EYF6CU	TEST POINT	2	
TP60810	EYF6CU	TEST POINT	1	
TP61101,0	EYF6CU	TEST POINT	2	
VR61101,0	VRV0161B203	V.RESISTOR 20K	2	
VR61103	VRV0161B503	V.RESISTOR 50K	1	
X60001	VSX0833	CRYSTAL OSCILLATOR	1	
X60601	VSX1001	CRYSTAL OSCILLATOR	1	
X60602	VSX0957	CRYSTAL OSCILLATOR	1	
X60802	VSX1034	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	XYN2+J6	SCREW	2	
	VKC0572	P.C.BOARD CATCHER (L)	1	
	VKC0573	P.C.BOARD CATCHER (R)	1	
	XYN3+K8	SCREW	2	
	XNG3ES	NUT	2	
■ E10	VEP80A88A	POWER CONNECT P.C.BOARD	1	(RTL)
P1,P2	VJS4033	CONNECTOR (FEMALE)	2	
■ E11	VEP81203A	POWER 1 P.C.BOARD	1	(RTL)
■	VEP81189A	SUB POWER 1 P.C.BOARD	1	(RTL)FOR VEP81203A
⚠ C1002,03	VCK0260M102A	C.CAPACITOR 1000P	2	
⚠ C1004	ECQU2A224MV	P.CAPACITOR 100V 0.22U	1	
⚠ C1005	VCK0262M222A	C.CAPACITOR 2200P	1	
C1006	EEUFC1H101	E.CAPACITOR 50V 100P	1	
C1007	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C1010	VCK0106K221	C.CAPACITOR 220P	1	
C1013	ECEC2WB151DB	E.CAPACITOR 450V 150U	1	
C1014	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C1015	ECQE2W105KC	P.CAPACITOR 450V 1U	1	
⚠ C1016	ECQU2A154MV	P.CAPACITOR 100V 0.15U	1	
C1017	ECQF6222JZ	P.CAPACITOR 630V 2200P	1	
C1102	ECKD2H103PU	C.CAPACITOR 500V 0.01U	1	
C1103	EEUFC1J470	E.CAPACITOR 6.3V 47P	1	
C1106	ECKD2H221KB	C.CAPACITOR 500V 220P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1107	EEUFC1J470	E.CAPACITOR 6.3V 47P	1	
C1108	EEUFC1E182	E.CAPACITOR 25V 1800P	1	
C1110	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C1111-13	EEUFC1E182	E.CAPACITOR 25V 1800P	3	
C1114,15	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	2	
C1118	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C1301	ECA1HXL100	E.CAPACITOR 50V 10U	1	FOR VEP81189A
C1302	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81189A
C1303	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	FOR VEP81189A
C1304	ECQV1H684JL	P.CAPACITOR 50V 0.68U	1	FOR VEP81189A
C1305	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP81189A
C1306	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	FOR VEP81189A
C1308	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP81189A
C1309	ECA1HXL010	E.CAPACITOR 50V 1U	1	FOR VEP81189A
C1310	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	FOR VEP81189A
C1312	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	FOR VEP81189A
C1313	ECUV1H682KBN	C.CAPACITOR CH 50V 6800P	1	FOR VEP81189A
C1314	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81189A
C1315	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	FOR VEP81189A
C1316	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81189A
C1317	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	FOR VEP81189A
C1321,22	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	FOR VEP81189A
C1323	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	FOR VEP81189A
C1324	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	FOR VEP81189A
D1001	SFPL-52	DIODE	1	
D1002	RBV606	DIODE	1	
D1003,04	SFPL-52	DIODE	2	
D1005	FML-G26S	DIODE	1	
D1006-09	MA3100-M	DIODE	4	
D1101	MA3270-M	DIODE	1	
D1103	SFPL-52	DIODE	1	
D1104	AP01C	DIODE	1	
D1105	SFPL-52	DIODE	1	
D1106	D20LC20U	DIODE	1	
D1107	U1GU44	DIODE	1	
D1108	SFPL-52	DIODE	1	
D1109	MA3200-M	DIODE	1	
D1110,11	MA152K	DIODE	2	
D1112	MA3068-M	DIODE	1	
D1301,02	MA3200-M	DIODE	2	FOR VEP81189A
D1303	MA3120-M	DIODE	1	FOR VEP81189A
D1304	MA152K	DIODE	1	FOR VEP81189A
D1305	MA152WA	DIODE	1	FOR VEP81189A
D1306	MA3270-M	DIODE	1	FOR VEP81189A
D1307	MA3051-M	DIODE	1	FOR VEP81189A
D1308	MA3068-M	DIODE	1	FOR VEP81189A
D1311	MA3068-M	DIODE	1	FOR VEP81189A
D1314	MA152K	DIODE	1	FOR VEP81189A
⚠ F1001	VSF0246	FUSE	1	
IC1101	AN1431M	IC	1	
IC1301	M51951BL	IC	1	FOR VEP81189A
IC1302	MC33262P	IC	1	FOR VEP81189A
IC1303	FA5311BP	IC	1	FOR VEP81189A
J1002	VWJ0121	CABLE	1	
J1004	VWJ0121	CABLE	1	
J1101,02	VWJ0121	CABLE	2	
L1002	VLQ0861	COIL	1	
⚠ L1003,04	ELF20N015A	COIL	2	
L1007	VLP0083	COIL	1	
L1101,02	VLP0083	COIL	2	
L1106-08	VLP0336	FERRITE CORE	3	
⚠ P1001	VJP2073	CONNECTOR (MALE)	1	
P1002,03	VJP3878	CONNECTOR (MALE)	2	
P1004,05	VJP3042G003W	CONNECTOR (MALE)	2	
P1006	VJP3042G017W	CONNECTOR (MALE)	1	
P1007	VJP1149	CONNECTOR (MALE)	1	
P1101	VJP4033	CONNECTOR (MALE)	1	
P1301,02	VJS3042B003W	CONNECTOR (FEMALE)	2	FOR VEP81189A
P1303	VJS3042B017W	CONNECTOR (FEMALE) 17P	1	FOR VEP81189A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ PC1101,02	PS2561L1V1WL	TRANSISTOR	2	
Q1001	AC08FGM	DIODE	1	
Q1002	2SK1941-R	TRANSISTOR	1	
⚠ Q1101	2SK2258-01	TRANSISTOR	1	
Q1102	2SD601A-R	TRANSISTOR	1	
Q1103	2SB709A-R	TRANSISTOR	1	
Q1301	XN1501	TRANSISTOR-RESISTOR	1	FOR VEP81189A
Q1303	2SJ278	TRANSISTOR	1	FOR VEP81189A
QR1301	UN2111	TRANSISTOR-RESISTOR	1	FOR VEP81189A
QR1302	UN2213	TRANSISTOR-RESISTOR	1	FOR VEP81189A
QR1304	UN2213	TRANSISTOR-RESISTOR	1	FOR VEP81189A
QR1305	UN2113	TRANSISTOR-RESISTOR	1	FOR VEP81189A
QR1306	UN2112	TRANSISTOR-RESISTOR	1	FOR VEP81189A
QR1307	UN2213	TRANSISTOR-RESISTOR	1	FOR VEP81189A
⚠ R1001	ERC12AGM334	S.RESISTOR 1/2W 330K	1	
R1002-05	ERJ12YJ473	M.RESISTOR CH 1/2W 47K	4	
R1006	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
⚠ R1007	ERU5TEJ100	F.RESISTOR 5W 10	1	
R1009	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1010,11	ERJ12YJ101	M.RESISTOR CH 1/2W 100	2	
R1012	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1013	ERX2SJR22	M.RESISTOR 2W 0.22	1	
R1014	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1017	ERG2SJ220	M.RESISTOR 2W 22	1	
R1018	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R1019	ERJ6RBB272	M.RESISTOR CH 1/10W 2.7K	1	
R1020	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R1021	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1023	ERJ12YJ101	M.RESISTOR CH 1/2W 100	1	
R1024	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1025	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1026	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R1101	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1102	ERX2SJR33	M.RESISTOR 2W 0.33	1	
R1104	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	1	
R1105	ERJ12YJ680H	M.RESISTOR CH 1/2W 68	1	
R1108	ERG2SJ104	M.RESISTOR 2W 100K	1	
R1109	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	1	
R1110	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R1111	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	
R1112	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R1114	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R1115,16	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R1117	ERJ6RBD622	M.RESISTOR CH 1/10W 6.2K	1	
R1118	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1	
R1119,20	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R1121	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R1122	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R1123	ERJ6GEYG682	M.RESISTOR CH 1/10W 6.8K	1	
R1124	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1125	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R1127	ERG2SJ104	M.RESISTOR 2W 100K	1	
R1301,02	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	2	FOR VEP81189A
R1303	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	FOR VEP81189A
R1304	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	FOR VEP81189A
R1305-07	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	FOR VEP81189A
R1308	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	FOR VEP81189A
R1309	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	FOR VEP81189A
R1310	ERJ6GEYG224	M.RESISTOR CH 1/10W 220K	1	FOR VEP81189A
R1311	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	FOR VEP81189A
R1312,13	ERJ14YJ474	M.RESISTOR CH 1/4W 470K	2	FOR VEP81189A
R1315	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	FOR VEP81189A
R1316	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	FOR VEP81189A
R1317	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	FOR VEP81189A
R1319	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	FOR VEP81189A
R1320,21	ERJ12YJ104	M.RESISTOR CH 1/2W 100K	2	FOR VEP81189A
R1323	ERJ6GEYJ225	M.RESISTOR CH 1/10W 2.2M	1	FOR VEP81189A
R1325	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	FOR VEP81189A
R1326-28	ER050CHD1503	M.RESISTOR 150K	3	FOR VEP81189A
R1330	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	FOR VEP81189A
R1331-33	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	3	FOR VEP81189A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1334	ERJ6GEYG912	M.RESISTOR CH 1/10W 9.1K	1	FOR VEP81189A
R1335	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	FOR VEP81189A
R1336	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	FOR VEP81189A
R1338	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	FOR VEP81189A
R1344-46	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	3	FOR VEP81189A
R1349,50	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	2	FOR VEP81189A
R1351	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	FOR VEP81189A
R1353	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	FOR VEP81189A
⚠ T1101	VLT0927	TORANSFORMER	1	
TH1101	VRT0142	THERMISTOR	1	
TP1101	VJR0646	TEST POINT	1	
		MISCELLANEOUS		
⚠	VMZ2187	BARRIER	1	
⚠	VMZ1608	CAPACITOR COVER	1	
	VMP5282	TRANSISTOR CLIP	1	
	VSC4861	HEAT SINK (C)	1	
	VSC4860	HEAT SINK (B)	1	
⚠	VMZ0965	CAPACITOR COVER	2	
	VSC3434	SHIELD CASE	1	
	XYN3+F8	SCREW	4	
	XTV3+8G	SCREW	1	
	VMP5283	GND TERMINAL	2	
	XYN3+F6	SCREW	2	
	VMZ2908	HEAT CONDUCTOR (A)	2	
	VMZ2969	HEAT CONDUCTOR (D)	1	
	XYN3+K8	SCREW	4	
	VSC4972	POWER CASE (B)	1	
■ E12	VEP81187C	POWER 2 P.C.BOARD	1	(RTL)
C1501-03	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C1504	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C1505	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C1506	ECEV1EV330Q	E.CAPACITOR CH 25V 33U	1	
C1507	ECQV1H684JL	P.CAPACITOR 50V 0.68U	1	
C1508,09	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C1510	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C1511	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C1512	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C1513	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C1601	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C1602,03	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1604	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C1605	ECEV1EV330Q	E.CAPACITOR CH 25V 33U	1	
C1606	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C1607	ECEV1EV330Q	E.CAPACITOR CH 25V 33U	1	
C1608	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	
C1609	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C1610	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1611	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C1613	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1614	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1616,17	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1622-24	VCEA1DAP680	E.CAPACITOR 20V 68U	3	
C1625-27	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C1628	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C1630	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C1631	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1632	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C1633	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1637	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C1639	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C1640,41	VCEA1DAP680	E.CAPACITOR 20V 68U	2	
C1701	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C1702	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1703,04	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1705	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C1706	ECEV1EV330Q	E.CAPACITOR CH 25V 33U	1	
C1708	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C1709	ECEV1EV330Q	E.CAPACITOR CH 25V 33U	1	
C1710	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C1711	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1712	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1714	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1715	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1716	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C1717,18	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C1719,20	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1726	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1727-30	VCEA1DAP680	E.CAPACITOR 20V 68U	4	
C1731-34	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C1736	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C1737	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C1738	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1739	VCEA1AAP221	E.CAPACITOR 10V 220U	1	
C1740	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1741	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C1744,45	VCEA1AAP101	E.CAPACITOR 10V 100U	2	
C1746	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C1747	VCEA1DAP101	E.CAPACITOR 20V 100U	1	
C1748	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1749	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C1750,51	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1752	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
D1501	SF20SC3L	DIODE	1	
D1502	MA142WA	DIODE	1	
D1503	MA142WK	DIODE	1	
D1504	MA3100-M	DIODE	1	
D1505,06	MA142K	DIODE	2	
D1507	MA3200-M	DIODE	1	
D1508	MA8027-H	DIODE	1	
D1509	MA142K	DIODE	1	
D1510	SFPB-54	DIODE	1	
D1511	MA142K	DIODE	1	
D1512	MA8100-M	DIODE	1	
D1513	MA142WA	DIODE	1	
D1514	MA142WK	DIODE	1	
D1515	MA8068-M	DIODE	1	
D1516	VSD0129	DIODE	1	
D1601	MA152K	DIODE	1	
D1602-04	MA142K	DIODE	3	
D1605	DE5SC4M-4061	DIODE	1	
D1606	DF10SC4M4062	DIODE	1	
D1607	DE5SC4M-4061	DIODE	1	
D1608	MA8068-M	DIODE	1	
D1609	MA142K	DIODE	1	
D1610	MA142WK	DIODE	1	
D1611	MA8068-M	DIODE	1	
D1612	MA8120-M	DIODE	1	
D1613,14	MA142WA	DIODE	2	
D1701	MA152K	DIODE	1	
D1702-06	MA142K	DIODE	5	
D1707	DE5SC4M-4061	DIODE	1	
D1708	SFPB-54	DIODE	1	
D1710,11	DE5SC4M-4061	DIODE	2	
D1712	MA142WK	DIODE	1	
D1713	MA8068-M	DIODE	1	
D1714	MA8180-M	DIODE	1	
D1715	MA142WA	DIODE	1	
D1716	MA8100-M	DIODE	1	
D1717	MA8180-M	DIODE	1	
D1718	MA142WA	DIODE	1	
IC1501	NJM2903M	IC	1	
IC1601,02	TL1451CNS	IC	2	
IC1701,02	TL1451CNS	IC	2	
IC1703	AN79N09	IC	1	
L1601	VLQ0504100M	COIL 10UH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L1602-04	VLP0353	COIL	3	
L1605	VLQ0859M151	COIL 150UH	1	
L1607,08	VLQ0864	COIL	2	
L1609,10	VLQ0504220M	COIL 22UH	2	
L1611	VLQ0655K220	COIL	1	
L1612	VLQ0441K220	COIL 22UH	1	
L1613	VLP0364	CHIP INDUCTOR	1	
L1615	VLP0364	CHIP INDUCTOR	1	
L1701	VLQ0504100M	COIL 10UH	1	
L1702-05	VLP0353	COIL	4	
L1706	VLQ0784151	COIL 150UH	1	
L1707	VLQ0864	COIL	1	
L1708	VLQ0859M220	COIL 22UH	1	
L1709,10	VLQ0504220M	COIL 22UH	2	
L1711	VLQ0441K220	COIL 22UH	1	
L1712	VLQ0655K220	COIL 22UH	1	
L1713,14	VLP0364	CHIP INDUCTOR	2	
P1501	VJP4033	CONNECTOR (MALE)	1	
P1502	VJP3957A002	CONNECTOR (MALE)	1	
P1503	VJP4232B030	CONNECTOR (MALE)	1	
P1504	VJP1596T	CONNECTOR (MALE)	1	
P1505	VJP1230T	CONNECTOR (MALE) 3P	1	
Q1501,02	XN1213	TRANSISTOR-RESISTOR	2	
Q1503	XN4601	TRANSISTOR-RESISTOR	1	
Q1505-07	2SJ280L	TRANSISTOR	3	
Q1601	XN4501	TRANSISTOR-RESISTOR	1	
Q1602,03	2SD1819A-R	TRANSISTOR	2	
Q1605	2SD1819A-R	TRANSISTOR	1	
Q1607	2SD1819A-R	TRANSISTOR	1	
Q1608-10	XN4401	TRANSISTOR-RESISTOR	3	
Q1611,12	2SJ214S	TRANSISTOR	2	
Q1613	2SJ279S	TRANSISTOR	1	
Q1701,02	XN4501	TRANSISTOR-RESISTOR	2	
Q1703	2SD1819A-R	TRANSISTOR	1	
Q1705	2SD1819A-R	TRANSISTOR	1	
Q1707,08	2SD1819A-R	TRANSISTOR	2	
Q1709	2SD1820A-R	TRANSISTOR	1	
Q1710-13	XN4401	TRANSISTOR-RESISTOR	4	
Q1714,15	2SJ214S	TRANSISTOR	2	
Q1716	2SJ279S	TRANSISTOR	1	
Q1717,18	2SK1748-Z	TRANSISTOR	2	
QR1501	UN5213	TRANSISTOR-RESISTOR	1	
QR1502	UN5211	TRANSISTOR-RESISTOR	1	
QR1503	UN5113	TRANSISTOR-RESISTOR	1	
QR1504,05	UN5212	TRANSISTOR-RESISTOR	2	
QR1506	UN5113	TRANSISTOR-RESISTOR	1	
QR1507-09	UN5211	TRANSISTOR-RESISTOR	3	
QR1601	UN5112	TRANSISTOR-RESISTOR	1	
QR1602	UN5211	TRANSISTOR-RESISTOR	1	
QR1603,04	UN5112	TRANSISTOR-RESISTOR	2	
QR1605,06	UN5211	TRANSISTOR-RESISTOR	2	
QR1701,02	UN5112	TRANSISTOR-RESISTOR	2	
QR1703	UN5211	TRANSISTOR-RESISTOR	1	
QR1704,05	UN5112	TRANSISTOR-RESISTOR	2	
QR1706-08	UN5211	TRANSISTOR-RESISTOR	3	
QR1709	UN5113	TRANSISTOR-RESISTOR	1	
R1501	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1502-05	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	4	
R1506-08	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	3	
R1509	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R1511	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R1512	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1513,14	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R1515	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1516	ERJ6GEYG224	M.RESISTOR CH 1/10W 220K	1	
R1517-19	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	3	
R1520	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1521	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R1522	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1523	ERJ6RBD513	M.RESISTOR CH 1/10W 51K	1	
R1525,26	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R1527	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R1601-03	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	3	
R1604-09	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	6	
R1610	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1611	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R1612	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1613	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R1614,15	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	2	
R1616	ERJ6GEYG682	M.RESISTOR CH 1/10W 6.8K	1	
R1618	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1619	ERJ6GEYG184	M.RESISTOR CH 1/10W 180K	1	
R1620	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1621	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1622	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R1623,24	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R1625	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R1626-28	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	3	
R1631-33	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	3	
R1634-38	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	5	
R1639	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1640	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1641	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1642	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1643	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1644	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1648-50	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	3	
R1651	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1652	ERJ6GEYG682	M.RESISTOR CH 1/10W 6.8K	1	
R1653	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R1654	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	1	
R1656,57	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	
R1658	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1659	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R1660,61	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	2	
R1663	ERJ6GEYG824	M.RESISTOR CH 1/10W 820K	1	
R1664,65	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R1701-04	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	4	
R1706-09	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	4	
R1710-13	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	4	
R1714	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1715	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R1716	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1717	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R1718	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1719	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R1720,21	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	2	
R1725	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R1726	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1727	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1728	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1729	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1730	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1731	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R1732,33	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R1734	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1735	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R1736	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1737-39	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	3	
R1740	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R1743-45	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	3	
R1746	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R1747-52	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	6	
R1753	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1754	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1755	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1756	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1757	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1758,59	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R1763	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1765-67	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	3	
R1769,70	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R1771,72	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	2	
R1773	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R1774	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R1775	ERJ6RBD563	M.RESISTOR CH 1/10W 56K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1776	ERJ6RBD512	M.RESISTOR CH 1/10W 5.1K	1	
R1777	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R1778	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R1779	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R1780	ERJ6RBD362	M.RESISTOR CH 1/10W 3.6K	1	
R1781	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1782-86	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	5	
R1787	ERDS2TJ270	C.RESISTOR 1/4W 27	1	
R1788	ER0S2CKG1100	M.RESISTOR 2W 110	1	
T1701	VLT0961	TRANSFORMER	1	
TG1604	EYF6CU	TEST POINT	1	
⚠ TH1501	VRT0152900	THERMISTOR	1	
⚠ TH1502	VRT0148050	THERMISTOR	1	
⚠ TH1505	VRT0152400	THERMITOR	1	
TP1501,02	EYF6CU	TEST POINT	2	
TP1601-03	EYF6CU	TEST POINT	3	
TP1605	EYF6CU	TEST POINT	1	
TP1701-04	EYF6CU	TEST POINT	4	
VR1601	VRV0112B502	V.RESISTOR 5K	1	
VR1602-04	VRV0112B202	V.RESISTOR 2K	3	
VR1703,04	VRV0112B202	V.RESISTOR 2K	2	
		MISCELLANEOUS		
	VSC4859	HEAT SINK (A)	1	
	VMP5283	GND TERMINAL	4	
	XYN3+F8	SCREW	1	
	XYN3+K8	SCREW	1	
■ E13	VEP81188A	POWER 3 P.C.BOARD	1	(RTL)
C1803	ECEA0JGE471	E.CAPACITOR 6.3V 470U	1	
C1804	ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C1805	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1806	ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C1807	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1808	ECA1CHG682	E.CAPACITOR 16V 6800U	1	
C1809	ECA1CHG332	C.CAPACITOR 16V 3300P	1	
C1812	ECA1VFQ561	E.CAPACITOR 35V 560U	1	
C1818	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C1819	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1820	ECA1AHG10	C.CAPACITOR 10V 1P	1	
C1822	ECA1AHG332	C.CAPACITOR 10V 3300P	1	
C1825	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1826	ECST1AC336Z	T.CAPACITOR CH 10V 33U	1	
C1827-29	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C1830,31	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	2	
C1832	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1833	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1834	ECA1EHG472	C.CAPACITOR 25V 4700P	1	
C1836	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C1837	ECA1CHG332	C.CAPACITOR 16V 3300P	1	
C1901	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C1902	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1903	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C1904	ECEV1EV330Q	E.CAPACITOR CH 25V 33U	1	
C1905	ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C1906	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C1907	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C1908	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1910	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C1911,12	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1915,16	VCEA1DAP680	E.CAPACITOR 20V 68U	2	
C1917,18	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C1919	VCEA1AAP101	E.CAPACITOR 10V 100U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1920	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1921	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C1924,25	VCEA1AAP101	E.CAPACITOR 10V 100U	2	
D1801	MA3051-H	DIODE	1	
D1802	21DQ04	DIODE	1	
D1803,04	MA115	DIODE	2	
D1805	MA4270M	DIODE	1	
D1806	MA3062M	DIODE	1	
D1807	MA3030-H	DIODE	1	
D1808	DE5SC4M-4061	DIODE	1	
D1809,10	SFPB-54	DIODE	2	
D1811	MA152WA	DIODE	1	
D1901	MA152K	DIODE	1	
D1902,03	MA142K	DIODE	2	
D1904,05	DE5SC4M-4061	DIODE	2	
IC1801	NJM2904M	IC	1	
IC1802	TC4W53FU	IC	1	
IC1803	NJM072BV	IC	1	
IC1804	AN7806F	IC	1	
IC1805	XC62EP3302M	IC	1	
IC1806	AN79L06	IC	1	
IC1807	NJM2904M	IC	1	
IC1901	TL1451CNS	IC	1	
L1801	VLQ0655K220	COIL 22UH	1	
L1901,02	VLP0353	COIL	2	
L1903	VLQ0504100M	COIL 10UH	1	
L1904,05	VLQ0787	COIL	2	
L1906,07	VLQ0504220M	COIL 22UH	2	
L1908,09	VLP0364	CHIP INDUCTOR	2	
P1801	VJP3926A012	CONNECTOR (MALE)	1	
P1802	VJP3926A018	CONNECTOR (MALE)	1	
P1803	VJP1232T	CONNECTOR (MALE) 5P	1	
Q1801	2SD601A-R	TRANSISTOR	1	
Q1802	2SB936A-Q	TRANSISTOR	1	
Q1803	2SD601A-R	TRANSISTOR	1	
Q1804	2SC3074Y	TRANSISTOR	1	
Q1805	2SB936A-Q	TRANSISTOR	1	
Q1806	2SD601A-R	TRANSISTOR	1	
Q1807,08	2SD1819A-R	TRANSISTOR	2	
Q1809	2SB1114	TRANSISTOR	1	
Q1810-12	2SD1819A-R	TRANSISTOR	3	
Q1901	XN4501	TRANSISTOR-RESISTOR	1	
Q1902	2SD1819A-R	TRANSISTOR	1	
Q1904	2SD1819A-R	TRANSISTOR	1	
Q1906,07	XN4401	TRANSISTOR-RESISTOR	2	
Q1908,09	2SJ214S	TRANSISTOR	2	
QR1802	UN2214	TRANSISTOR-RESISTOR	1	
QR1901	UN5112	TRANSISTOR-RESISTOR	1	
QR1902	UN5211	TRANSISTOR-RESISTOR	1	
QR1903	UN5112	TRANSISTOR-RESISTOR	1	
QR1904	UN5211	TRANSISTOR-RESISTOR	1	
R1801	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R1802,03	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
R1804	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R1805	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1806,07	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	
R1808-10	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	3	
R1811	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R1812	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	1	
R1813	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1814	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	1	
R1816	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	1	
R1817-19	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	3	
R1820	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1821	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R1822	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1823	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1824	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1825	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1826	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1827	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R1828	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1829-32	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	
R1834-36	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	3	
R1901, 02	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R1903-06	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	4	
R1907	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1908	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R1909	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1910	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R1911	ERJ6GEYG682	M.RESISTOR CH 1/10W 6.8K	1	
R1913	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1914	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1915, 16	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R1917, 18	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R1919, 20	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	
R1923, 24	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R1925-28	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	4	
R1929	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1930	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1931	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1932	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1935, 36	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	2	
R1937	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1938	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R1939, 40	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	
R1941, 42	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
T1801	VLT0889	TRANSFORMER	1	
TG1901	VJR0098	TEST POINT	1	
TP1901-03	VJR0098	TEST POINT	3	
VR1901	EVMF6SA00B53	V.RESISTOR 5K	1	
VR1902, 03	EVMF6SA00B23	V.RESISTOR 2K	2	
		MISCELLANEOUS		
	VMP5861	P.C.B. HOLDER ANGLE (L)	1	
	VMP5862	P.C.B. HOLDER ANGLE (R)	1	
	XTV3+6F	SCREW	2	
	VGF0788	DUST PROOF BAR RIER (C)	1	
	VKC0554	SPACER	2	
■ E14	VEP86278A	REMOTE P.C.BOARD	1	(RTL)
P66001, 02	VJS3537A024G	CONNECTOR (FEMALE)	2	
P66003	VJP1599T	CONNECTOR (MALE)	1	
P66004	VJP1600T	CONNECTOR (MALE)	1	
P66005	VJP1230T	CONNECTOR (MALE) 3P	1	
■ E15	VEP84321B	REAR JACK P.C.BOARD	1	(RTL)
C4205, 06	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4207, 08	ECEA1AKA330	E.CAPACITOR 10V 33U	2	
C4215	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C4218-20	ECEA1CKA470	E.CAPACITOR 16V 47U	3	
C4223, 24	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C6001, 02	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
D4211	MA152K	DIODE	1	
D4213	MA152K	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D4215, 16	MA152K	DIODE	2	
J4101-04	VJS3901	CONNECTOR (FEMALE)	4	
J4114-18	VJS3901	CONNECTOR (FEMALE)	5	
J4119	VJJ0636	PIN JACK	1	
J4201, 02	VJS3901	CONNECTOR (FEMALE)	2	
J6001	VJP3414A009	CONNECTOR (MALE)	1	
J6002	VJP3414A015	CONNECTOR (MALE)	1	
L4105, 06	VLP0145	COIL	2	
L4201, 02	VLQ0319K101	COIL 100UH	2	
L6001-17	VLP0145	COIL	17	
P4003	VJS3421A022	CONNECTOR (FEMALE)	1	
P4104	VJP1230T	CONNECTOR (MALE) 3P	1	
P6002	VJS3421A028	CONNECTOR (FEMALE)	1	
Q4201-04	XN4601	TRANSISTOR-RESISTOR	4	
R4101	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4102, 03	ERJ6RBD151	M.RESISTOR CH 1/10W 150	2	
R4104	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4105, 06	ERJ6RBD151	M.RESISTOR CH 1/10W 150	2	
R4107	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4108, 09	ERJ6RBD151	M.RESISTOR CH 1/10W 150	2	
R4110-13	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	
R4114, 15	ERJ14Y0R00	M.RESISTOR CH 1/4W 0	2	
R4201	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R4202	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R4203	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4204	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R4205	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R4206	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R4207	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R4208	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R4209	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4210	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R4211	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R4212	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R4213	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R4214	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R4215	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4216	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R4217	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R4218	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R4219	ERJ6RBD151	M.RESISTOR CH 1/10W 150	1	
R4220	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R4221	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R4222	ERJ6RBD151	M.RESISTOR CH 1/10W 150	1	
R4223	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4224	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R4225	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R4239	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R4240	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6001	ERJ14YJ101	M.RESISTOR CH 1/4W 100	1	
R6003	ERJ14YJ101	M.RESISTOR CH 1/4W 100	1	
SW4201	VSS0307	SWITCH	1	
		MISCELLANEOUS		
	VMP5868	D SUB HOLDER ANGLE	1	
	VXQ0102	SCREW	4	
■ E16	VEP84322B	AUDIO JACK P.C.BOARD	1	(RTL)
C4001, 02	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4005	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4008-10	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C4013, 14	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
J4001,02	VJS3417	CONNECTOR (FEMALE)	2	
J4003,04	VJP3417	CONNECTOR (MALE)	2	
L4001	VLP0145	COIL	1	
L4003	VLP0145	COIL	1	
L4005,06	VLP0145	COIL	2	
L4008	VLP0145	COIL	1	
L4010,11	VLP0145	COIL	2	
L4013	VLP0145	COIL	1	
L4015,16	VLP0145	COIL	2	
L4018	VLP0145	COIL	1	
L4020	VLP0145	COIL	1	
P4001	VJS3421A020	CONNECTOR (FEMALE)	1	
P4103	VJP1230T	CONNECTOR (MALE) 3P	1	
■ E17	VEP86282A	REC VR P.C.BOARD	1	(RTL)
P65401	VJP1610T	CONNECTOR (MALE)	1	
VR65401,02	EVU023003B14	V.RESISTOR 10K	2	
		MISCELLANEOUS		
	VEE0E69	REC VR CABLE	1	
■ E18	VEP86283A	PB VR P.C.BOARD	1	(RTL)
P65301	VJP1611T	CONNECTOR (MALE)	1	
VR65301,02	EVU023006B14	V.RESISTOR 10K	2	
		MISCELLANEOUS		
	VEE0E70	PB VR CABLE	1	
■ E19	VEP86276A	FRONT P.C.BOARD	1	(RTL)
C65001,02	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	2	
C65003,04	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C65005	ECEA1AKS221	E.CAPACITOR 10V 220U	1	
C65006	ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C65007	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C65010,11	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
D65001	MA701A	DIODE	1	
D65002-04	MA153	DIODE	3	
D65005-08	MA152K	DIODE	4	
D65101	LN38GCPP	LED	1	
D65103	LN38GCPP	LED	1	
D65105	MA152K	DIODE	1	
D65107	LN38GCPP	LED	1	
D65108	MA152K	DIODE	1	
D65109	LN38GCPP	LED	1	
D65110-14	MA152K	DIODE	5	
D65115	LN38GCPP	LED	1	
DP65001	VSL0489	DISPLAY	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC65001	MN1382-R	IC	1	
IC65002	UPD75236J040	IC	1	
J65001	VJJ0571	JACK	1	
L65001,02	VLQ0319K101	COIL 100UH	2	
P65001	VJS3537B024G	CONNECTOR (FEMALE)	1	
P65103	VJS4243B018	CONNECTOR (FEMALE)	1	
Q65001-03	2SB710A-R	TRANSISTOR	3	
Q65101-11	2SD601A-R	TRANSISTOR	11	
QR65001-03	MUN2213	TRANSISTOR-RESISTOR	3	
R65009	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R65010-13	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	4	
R65014,15	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R65016	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R65017	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R65018-26	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	9	
R65027,28	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R65029	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R65030-37	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	8	
R65042,43	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R65044	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R65045	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R65046	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R65047	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R65048	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R65049	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R65050	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R65051	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R65052	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R65053	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R65054	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R65055	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R65056	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R65057	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R65058	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R65059,60	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R65061	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R65062	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R65063-65	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	3	
R65066-72	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	7	
R65073	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R65074-77	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	4	
R65078	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R65079	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R65080	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R65081	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R65082	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R65083	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R65084-86	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	3	
R65087	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R65101	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R65102	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R65103	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R65104	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R65105	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R65106	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R65107	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R65108-15	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	8	
R65117	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R65118-21	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	4	
SW65102	EVQQS307K	SWITCH	1	
SW65104	VSS0250	SWITCH	1	
SW65105	EVQQS307K	SWITCH	1	
SW65106	VSS0249	SWITCH	1	
SW65107,08	EVQQS307K	SWITCH	2	
SW65109	VSS0249	SWITCH	1	
VR65003	EVJYM0F15C23	V.RESISTOR 2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
X65001	VSX0140	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VJF1360	DISPLAY HOLDER	1	
	VGQ0458	SPACER	5	
	VZT0045	CUSHION	1	
■ E20	VEP86281A	KEY P.C.BOARD	1	(RTL)
D65106	MA152K	DIODE	1	
D65201-07	MA152K	DIODE	7	
P65201	VJS2582B018	CONNECTOR (FEMALE)	1	
R65201-06	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	6	
R65207	ERJ14YJ181	M.RESISTOR CH 1/4W 180	1	
SW65103	VST0331	SWITCH	1	
SW65201	VSP0853A000	SWITCH	1	
SW65202	VSP0792	SWITCH	1	
SW65203	VSP0788	SWITCH	1	
SW65204	VSP0791	SWITCH	1	
SW65205	VSP0790	SWITCH	1	
SW65206	VSP0793	SWITCH	1	
SW65207	VSP0789	SWITCH	1	
■ E22	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
P1	VJP1249T	CONNECTOR (MALE) 9P	1	
P2	VJS2889A012	CONNECTOR (FEMALE)	1	
P3	VJS2889A016	CONNECTOR (FEMALE)	1	
R1-R7	ERDS2TJ221	C.RESISTOR 1/4W 220	7	
■ E23	VEP82218B	SERVO P.C.BOARD	1	(RTL)
C1	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP80A89D
C1	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP80A89E
C2	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP80A89D
C2	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP80A89E
C3	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP80A89D
C3	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP80A89E
C2001	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2003	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2101	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2103	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2107,08	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2109,10	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	2	
C2111,12	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2113	ECEV1HVR33Q	E.CAPACITOR CH 50V 0.33U	1	
C2114	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2115	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2116	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2117	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2119	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2201	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C2202	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2203	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C2204	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2205	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2206	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2207	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2208	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C2209	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2210	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2211	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C2212	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2213,14	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	2	
C2215,16	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	2	
C2217	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2218,19	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	2	
C2220	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C2221	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C2222,23	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2224	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2225	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C2226,27	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2228,29	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	2	
C2230	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2231	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2232	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C2233	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2301	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2302,03	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	2	
C2304	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2305,06	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C2307	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C2308	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C2309	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2310	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C2311	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2312	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C2313	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2314	VCK0152	C.CAPACITOR	1	
C2315-22	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	8	
C2323	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2324	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U	1	
C2325	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	1	
C2326,27	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2329	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2402	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2406	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C2408,09	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2411	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2413	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2414-16	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	3	
C2417,18	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C2419	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C2420,21	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C2422	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C2423,24	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C2425	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C2426	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C2427	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2432	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2434	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2437	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2438	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2444	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2445	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2450	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C2451	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2455-57	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C2458-60	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	3	
C2461	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C2462	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2463,64	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	2	
C2465-67	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	3	
C2468-70	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	3	
C2471-76	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	6	
C2477,78	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C2479	VCK0152	C.CAPACITOR	1	
C2480	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2501-06	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	6	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2507	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2508-12	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	5	
C2513,14	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	2	
C2515-19	VCE0180	E.CAPACITOR	5	
C2520-25	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	6	
C2526-31	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	6	
C2532-37	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	6	
C2539,40	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C2541	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2542	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2543	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2601	VCE0180	E.CAPACITOR	1	
C2603	VCE0180	E.CAPACITOR	1	
C2606	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2607	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2608	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2609	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2610	VCC0037F432	C.CAPACITOR 432P	1	
C2611	VCE0180	E.CAPACITOR	1	
C2613	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2614	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2615	VCE0180	E.CAPACITOR	1	
C2617	VCE0180	E.CAPACITOR	1	
C2619	VCK0152	C.CAPACITOR	1	
C2620	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2621	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2622	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2707	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2708	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2709	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C2710	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C2711	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2712,13	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2714	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2715	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C2716	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2717	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2719	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2721-24	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	4	
C2725,26	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2727	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2728,29	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2801-04	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C2903	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2904	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C2905	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C2906	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C2907	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C2908	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2909	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C2910	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C2911	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C2912	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C2913	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C2914	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C2915	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C2918	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C2919	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2921	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2923-25	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2926	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C2927	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2928	VCK0152	C.CAPACITOR	1	
C2932	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2934	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2935	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2937	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2942	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2947-49	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2951	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C2952-55	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C64001	ECA1EEN101	C.CAPACITOR 25V 100P	1	
C64201,02	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	
C64203	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C64204,05	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C64206	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C64207	ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C64208	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C64209	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
D2001,02	MA704	DIODE	2	
D2101	MA142WK	DIODE	1	
D2301,02	MA143	DIODE	2	
D2401-06	MA738	DIODE	6	
D2450-55	MA738	DIODE	6	
D2501,02	MA736	DIODE	2	
D2503,04	MA728	DIODE	2	
D2601	MA728	DIODE	1	
D2602	MA736	DIODE	1	
D2603	MA728	DIODE	1	
D2604	MA736	DIODE	1	
D2701-03	MA143	DIODE	3	
D2901-04	MA143	DIODE	4	
D2906,07	MA736	DIODE	2	
D64003-08	MA738	DIODE	6	
D64009,10	NS003A04	DIODE	2	
D64011,12	MA738	DIODE	2	
D64013,14	NS003A04	DIODE	2	
D64015-22	MA738	DIODE	8	
D64023-26	MA142WA	DIODE	4	
D64201	MA3100-L	DIODE	1	
D64203	MA3068-M	DIODE	1	
D64204	MA3056-M	DIODE	1	
D64205	MA3051-M	DIODE	1	
D64209	MA3056-H	DIODE	1	
D64210	MA3100-L	DIODE	1	
D64214	MA3075-M	DIODE	1	
D64215	MA738	DIODE	1	
D64216	MA142WK	DIODE	1	
FL2001	VLF0941C223	FILTER	1	
IC1	M37774E5LGP	IC	1	FOR VEP80A89D
IC1	M37774E5LGP	IC	1	FOR VEP80A89E
IC2102	TC7SHU04FU	IC	1	
IC2103	S80730ANDT	IC	1	
IC2104	TC4W53FU	IC	1	
IC2106	TC7SHU04FU	IC	1	
IC2202	SC371025AVFU	IC	1	
IC2203	TA75W01FU	IC	1	
IC2204	TVHC74FT	IC	1	
IC2205	TVHC157FT	IC	1	
IC2206	TA75W01FU	IC	1	
IC2207	SC371025AVFU	IC	1	
IC2208	TC7S86F	IC	1	
IC2210,11	TC7SHU04FU	IC	2	
IC2301	TA75W558FU	IC	1	
IC2302	TA75W393FU	IC	1	
IC2303	TA75W558FU	IC	1	
IC2304	TA75W393FU	IC	1	
IC2305	TA75W558FU	IC	1	
IC2307	MC14538BF	IC	1	
IC2308,09	TA75W558FU	IC	2	
IC2401,02	AN3834S	IC	2	
IC2404	TA75W558FU	IC	1	
IC2405	TA75W01FU	IC	1	
IC2406	TA75W393FU	IC	1	
IC2407	XC62DN5002P	IC	1	
IC2502	TA75W393FU	IC	1	
IC2503	TB6519F	IC	1	
IC2506	TB6519F	IC	1	
IC2601	TL1451CNS	IC	1	
IC2602	XC62AP5002P	IC	1	
IC2701	UPC4556G2	IC	1	
IC2702	TC4W53FU	IC	1	
IC2703	NJM4565MD	IC	1	
IC2704	TC7W04F	IC	1	
IC2705	TC7W74FU	IC	1	
IC2801	T160G11-1258	IC	1	
IC2901	TA75W558FU	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC2902	TA75W393FU	IC	1	
IC2904	TA75W558FU	IC	1	
IC2905	TA75W393FU	IC	1	
IC2906,07	UPC4558G2	IC	2	
IC2908	TA75W01FU	IC	1	
IC2909	TC7W125FU	IC	1	
IC64201,0	M54649L	IC	2	
L2001	VLQ0319K101	COIL 100UH	1	
L2003	VLQ0319K100	COIL 10UH	1	
L2101	VLQ0319K100	COIL 10UH	1	
L2102	VLQ0319K101	COIL 100UH	1	
L2201-03	VLQ0319K100	COIL 10UH	3	
L2502	VLQ0407120M	COIL 12UH	1	
L2503	VLQ0319K100	COIL 10UH	1	
L2504	VLQ0407151K	COIL 150UH	1	
L2505	VLQ0129	COIL 300UH	1	
L2601	VLQ0407120M	COIL 12UH	1	
L2603,04	VLQ0407151K	COIL 150UH	2	
L2701,02	VLQ0319K101	COIL 100UH	2	
L2801	VLQ0319K101	COIL 100UH	1	
L2901	VLQ0319K101	COIL 100UH	1	
L64201,02	VLQ0319K101	COIL 100UH	2	
P1	VJP4181C100H	CONNECTOR (MALE)	1	FOR VEP80A89D
P1	VJP4181C100H	CONNECTOR (MALE)	1	FOR VEP80A89E
P2001,02	VJP3949C070H	CONNECTOR (MALE)	2	
P2003	VJP1232T	CONNECTOR (MALE) 5P	1	
P2011	VJP3172D002	CONNECTOR (MALE)	1	
P2012	VJP3172D005	CONNECTOR (MALE)	1	
P2013	VJP3172D002	CONNECTOR (MALE)	1	
P2014	VJP3172D003	CONNECTOR (MALE)	1	
P2015	VJP3518B002	CONNECTOR (MALE)	1	
P2016	VJP3518B003	CONNECTOR (MALE)	1	
P2017	VJS3801B010	CONNECTOR (FEMALE)	1	
P2018	VJP3518B002	CONNECTOR (MALE)	1	
P2019	VJP3172D002	CONNECTOR (MALE)	1	
P2020	VJP3518B003	CONNECTOR (MALE)	1	
P2021	VJP3518B002	CONNECTOR (MALE)	1	
P2022	VJP3172D004	CONNECTOR (MALE)	1	
P2024	VJP3518B002	CONNECTOR (MALE)	1	
P2025	VJP1230T	CONNECTOR (MALE) 3P	1	
P2026	VJP1236T	CONNECTOR (MALE) 9P	1	
P2030	VJP3172D003	CONNECTOR (MALE)	1	
P2032	VJP3172D004	CONNECTOR (MALE)	1	
P2033	VJS3406B015	CONNECTOR (FEMALE)	1	
P2034,35	VJS3813C017	CONNECTOR (FEMALE)	2	
P2036	VJS3406B019	CONNECTOR (FEMALE)	1	
P2037	VJP3125B002	CONNECTOR (MALE)	1	
P2038	VJP3172D002	CONNECTOR (MALE)	1	
P2101	VJS4181C100H	CONNECTOR (FEMALE)	1	
P2201	VJS4181C100H	CONNECTOR (FEMALE)	1	
Q2501,02	2SB1073-R	TRANSISTOR	2	
Q2503-06	2SD1820A-R	TRANSISTOR	4	
Q2507-09	2SD1119-R	TRANSISTOR	3	
Q2510-12	2SB1073-R	TRANSISTOR	3	
Q2513-15	2SD1119-R	TRANSISTOR	3	
Q2516-18	2SB1073-R	TRANSISTOR	3	
Q2601,02	2SB1073-R	TRANSISTOR	2	
Q2701	2SD1820A-R	TRANSISTOR	1	
Q2702	2SB1219A-R	TRANSISTOR	1	
Q2703	2SD1820A-R	TRANSISTOR	1	
Q2704,05	2SB1219A-R	TRANSISTOR	2	
Q2706,07	2SD1820A-R	TRANSISTOR	2	
Q2708	2SB1219A-R	TRANSISTOR	1	
Q2901	2SB1219A-R	TRANSISTOR	1	
Q64003	2SB1073-R	TRANSISTOR	1	
Q64004	2SD1819A-R	TRANSISTOR	1	
Q64005	2SB1219A-R	TRANSISTOR	1	
Q64006	2SD1819A-R	TRANSISTOR	1	
Q64007	2SB1073-R	TRANSISTOR	1	
Q64008	2SD1624-S	TRANSISTOR	1	
Q64009	2SD1819A-R	TRANSISTOR	1	
Q64010,11	2SB1219A-R	TRANSISTOR	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q64012	2SD1819A-R	TRANSISTOR	1	
Q64013	2SB1073-R	TRANSISTOR	1	
Q64014,15	2SD1624-S	TRANSISTOR	2	
Q64016	2SB1219A-R	TRANSISTOR	1	
Q64017	2SB1073-R	TRANSISTOR	1	
Q64018	2SD1624-S	TRANSISTOR	1	
Q64019,20	2SD1819A-R	TRANSISTOR	2	
Q64021	2SB1219A-R	TRANSISTOR	1	
Q64022	2SB1073-R	TRANSISTOR	1	
Q64023	2SB1219A-R	TRANSISTOR	1	
Q64024	2SD1819A-R	TRANSISTOR	1	
Q64025	2SB1073-R	TRANSISTOR	1	
Q64026	2SB1219A-R	TRANSISTOR	1	
Q64027	2SD1624-S	TRANSISTOR	1	
Q64028	2SB1073-R	TRANSISTOR	1	
Q64029	2SD1624-S	TRANSISTOR	1	
Q64030	2SD1819A-R	TRANSISTOR	1	
Q64031	2SD1624-S	TRANSISTOR	1	
Q64032	2SB1073-R	TRANSISTOR	1	
Q64033	2SB1219A-R	TRANSISTOR	1	
Q64034	2SD1624-S	TRANSISTOR	1	
Q64035	2SD1819A-R	TRANSISTOR	1	
Q64201	2SD1624-S	TRANSISTOR	1	
Q64202	2SB1073-R	TRANSISTOR	1	
Q64203	2SD1819A-R	TRANSISTOR	1	
QR2201	UN5213	TRANSISTOR-RESISTOR	1	
QR2401,02	UN5213	TRANSISTOR-RESISTOR	2	
QR2450,51	UN5213	TRANSISTOR-RESISTOR	2	
QR2501,02	UN5213	TRANSISTOR-RESISTOR	2	
QR2703,04	UN5213	TRANSISTOR-RESISTOR	2	
QR64001	UN5114	TRANSISTOR-RESISTOR	1	
QR64002	UN5214	TRANSISTOR-RESISTOR	1	
QR64003	UN5114	TRANSISTOR-RESISTOR	1	
QR64004-0	UN5214	TRANSISTOR-RESISTOR	3	
QR64007	UN5114	TRANSISTOR-RESISTOR	1	
QR64008	UN5214	TRANSISTOR-RESISTOR	1	
QR64009	UN5114	TRANSISTOR-RESISTOR	1	
QR64010,1	UN5214	TRANSISTOR-RESISTOR	2	
QR64012,1	UN5114	TRANSISTOR-RESISTOR	2	
QR64014	UN5214	TRANSISTOR-RESISTOR	1	
QR64015,1	UN5114	TRANSISTOR-RESISTOR	2	
QR64201-0	UN5213	TRANSISTOR-RESISTOR	3	
QR64204,0	UN5211	TRANSISTOR-RESISTOR	2	
QR64212	UN5114	TRANSISTOR-RESISTOR	1	
QR64213,1	UN5214	TRANSISTOR-RESISTOR	2	
R2001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2106	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R2107	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2108	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R2109	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R2110	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R2111	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2112,13	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2114,15	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R2116-20	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R2121-24	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R2125	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2126	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2127	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2128,29	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R2130,31	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R2132-36	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R2137	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R2138	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2201,02	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R2203,04	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R2205	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2206	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R2207,08	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R2209-12	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	4	
R2213,14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2215	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2216	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2217	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2218	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2219	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R2220	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2221,22	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R2223	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2224,25	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R2226	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R2227	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2229	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2230	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2231-38	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R2240	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2242	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2243	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2245	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2246	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2247	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2248	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2249,50	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R2301	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2302	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R2303	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2304	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2305	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R2306	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2307	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2308	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2309	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2310	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2311	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2312	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2313	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2314	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2315	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R2316	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R2317,18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2319	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R2320-22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R2323	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R2324	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2325	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2326	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2327	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2328	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R2329	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2330	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R2331	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2332	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2333,34	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R2335	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2336-38	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R2402	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2404	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2405	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2409	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R2411	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R2412	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R2415	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R2421	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R2423	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R2428,29	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R2432	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R2436	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R2443	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R2450,51	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2452	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2453	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R2454	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R2455,56	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	2	
R2457-59	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R2460	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R2461	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R2462	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R2463	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R2465	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2467	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2468-71	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	4	
R2472,73	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R2474	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2476	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2477,78	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R2479-84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R2485,86	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2501,02	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R2503,04	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R2505,06	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R2507,08	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R2509,10	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	2	
R2511	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2512	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R2513,14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R2515-20	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	6	
R2522	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R2523,24	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	2	
R2525	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R2526	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2527	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2528	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2529	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2530	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2531	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2532	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2533	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2534,35	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2536	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R2537,38	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2539	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R2540	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R2541	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2542	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R2543	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2544	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R2545	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2546,47	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R2548	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2601,02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2603	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2604,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2606	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2607	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R2608	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2609	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R2610	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2612	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R2614	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R2615	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2618	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2619	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2622	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R2623	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2624	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2625	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2627,28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2629,30	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2701,02	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R2703	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2704	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2705	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2706	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2711	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R2712	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2713	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2714	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2715	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2719	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R2720	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R2722	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2723	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2724	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2725	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R2726	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2727	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R2728	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2730, 31	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	2	
R2732, 33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2734, 35	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R2736	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2801	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2802	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2803, 04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2806	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2808	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2901, 02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R2903	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2904	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2905	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2906	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2907	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2908	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2909	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2911	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2912	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2914	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2915	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2916	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2917	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2919	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2920	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2921	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2922, 23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2924	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2925, 26	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2928	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2929	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R2930	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2931	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2932	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2933	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2934	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2935	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R2937	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2942	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2944	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2949	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R2950	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2951	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R2952	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2959, 60	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R2961	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2963	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R64008	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64009	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64010	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64011	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64012, 13	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R64014, 15	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R64016, 17	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R64018	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64019	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64020	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64021	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64022	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64023	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64024	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64025, 26	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R64027	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64028	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64029, 30	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R64031	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64032-34	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	3	
R64035	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64036	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64037-39	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	3	
R64040	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R64041	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64042	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64043, 44	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R64045, 46	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R64047, 48	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R64049	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64050	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64051	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64052	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64053	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64054, 55	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R64056	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64057, 58	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R64059, 60	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R64061	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64062, 63	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R64064	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64065	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64066	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64067	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64068	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64069	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64070	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64071	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64072	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64073	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64074	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64075	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64076	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64077, 78	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R64079	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64080	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64081	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64082, 83	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	2	
R64084	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64085	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64086	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64087	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	1	
R64088, 89	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R64090	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64091-93	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	3	
R64097-02	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	6	
R64103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64104	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R64105, 06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R64201	ERJ8GEYJ222	M.RESISTOR CH 1/8W 2.2K	1	
R64202	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R64203	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R64204	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	1	
R64205	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64206	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	1	
R64207	ERJ8GEYJ300	M.RESISTOR CH 1/8W 30	1	
R64208	ERJ8GEYJ222	M.RESISTOR CH 1/8W 2.2K	1	
R64209	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R64212-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R64218, 19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R64223, 24	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	2	
R64225	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64226	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R64229	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64230	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R64231	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
TG201	EYF6CU	TEST POINT	1	
TP201-06	EYF6CU	TEST POINT	6	
TP301-05	EYF6CU	TEST POINT	5	
TP701-04	EYF6CU	TEST POINT	4	
TP2401	EYF6CU	TEST POINT	1	
TP2403, 04	EYF6CU	TEST POINT	2	
TP2451	EYF6CU	TEST POINT	1	
TP2453, 54	EYF6CU	TEST POINT	2	
TP2801	EYF6CU	TEST POINT	1	
TP2903	EYF6CU	TEST POINT	1	
TP2906	EYF6CU	TEST POINT	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
VR2201	EVM7JGA00B15	V.RESISTOR 100K	1	
X2101	VSX0821	CRYSTAL OSCILLATOR	1	
X2201	VSX0919	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VSC4607	SHIELD CASE	1	
	VJF1310	CONNECTOR HOLDER	2	
	VMS6507	P.C.BOARD POST	4	
	XYN26+K6	SCREW	8	
	VEE2795	VIDEO EARTH	1	
				(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks